



CET TECHNOLOGY

Product Catalog





CET Technology, LLC

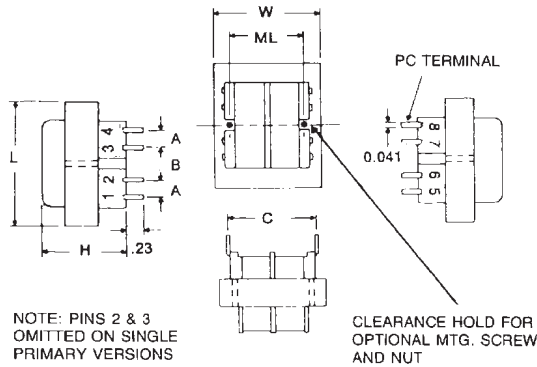
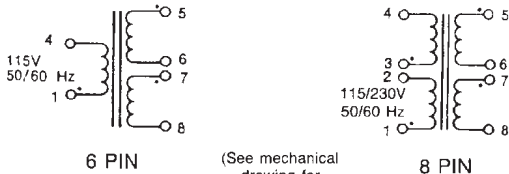
PST / PDST Split Bobbin Transformer Series

CET SPLIT BOBBIN—HIGHLY ISOLATED

The PST/PDST series of Split Bobbin Transformers are manufactured with the following features:

- High isolation — 2500V hipot is standard.
- Low capacitive cooling — no electrostatic shield necessary.
- UL Recognized File # E146472
- Approved to CSA 22.2 No. 66
- Class B Insulation 130°C
- Custom versions also available
- Less manufacturing time —no cross-overs of primary and secondary leads.
- PC pins — allow direct insertion in PC boards.

Each transformer is available with single 115V or dual 115/230V primaries. In addition, secondaries are split so that they can be series or parallel connected.



NOTE: PINS 2 & 3 OMITTED ON SINGLE PRIMARY VERSIONS

CLEARANCE HOLD FOR OPTIONAL MTG. SCREW AND NUT

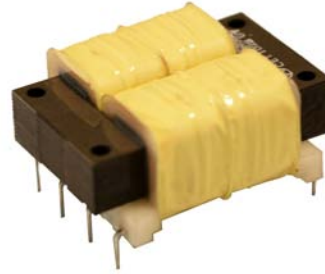
Sz	VA	L	W	H	ML	A	B	C	Lbs.
2	1.1	1.37	1.12	.93	—	.250	.250	1.20	.17
3	2.4	1.37	1.12	1.18	—	.250	.250	1.20	.25
4	6	1.62	1.31	1.31	1.06	.250	.350	1.28	.44
5	12	1.87	1.56	1.43	1.25	.30	.40	1.410	.70
6	20	2.25	1.87	1.43	1.50	.30	.40	1.60	.80
7	36	2.62	2.18	1.56	—	.40	.40	1.850	1.1

PART NUMBER		SECONDARY RMS RATING	
Single 115V 6 Pin	Dual 115/230V 8 Pin	Series	Parallel
PST 2-10	PDST 2-10	10V C.T. @ 0.11A	5V @ 0.22A
PST 3-10	PDST 3-10	10V C.T. @ 0.25A	5V @ 0.5A
PST 4-10	PDST 4-10	10V C.T. @ 0.6A	5V @ 1.2A
PST 5-10	PDST 5-10	10V C.T. @ 1.2A	5V @ 2.4A
PST 6-10	PDST 6-10	10V C.T. @ 2A	5V @ 4A
PST 7-10	PDST 7-10	10V C.T. @ 3.6A	5V @ 7.2A
PST 2-12	PDST 2-12	12.6V C.T. @ 0.09A	6.3V @ 0.18A
PST 3-12	PDST 3-12	12.6V C.T. @ 0.2A	6.3V @ 0.4A
PST 4-12	PDST 4-12	12.6V C.T. @ 0.5A	6.3V @ 1.0A
PST 5-12	PDST 5-12	12.6V C.T. @ 1.0A	6.3V @ 2.0A
PST 6-12	PDST 6-12	12.6V C.T. @ 1.6A	6.3V @ 3.2A
PST 7-12	PDST 7-12	12.6V C.T. @ 2.85A	6.3V @ 5.7A
PST 2-16	PDST 2-16	16V C.T. @ 0.07A	8V @ 0.14A
PST 3-16	PDST 3-16	16V C.T. @ 0.15A	8V @ 0.3A
PST 4-16	PDST 4-16	16V C.T. @ 0.4A	8V @ 0.8A
PST 5-16	PDST 5-16	16V C.T. @ 0.8A	8V @ 1.6A
PST 6-16	PDST 6-16	16V C.T. @ 1.25A	8V @ 2.5A
PST 7-16	PDST 7-16	16V C.T. @ 2.25A	8V @ 4.5A
PST 2-20	PDST 2-20	20V C.T. @ 0.055A	10V @ 0.11A
PST 3-20	PDST 3-20	20V C.T. @ 0.12A	10V @ 0.24A
PST 4-20	PDST 4-20	20V C.T. @ 0.3A	10V @ 0.6A
PST 5-20	PDST 5-20	20V C.T. @ 0.6A	10V @ 1.2A
PST 6-20	PDST 6-20	20V C.T. @ 1A	10V @ 2A
PST 7-20	PDST 7-20	20V C.T. @ 1.8A	10V @ 3.6A
PST 2-24	PDST 2-24	24V C.T. @ 0.045A	12V @ 0.09A
PST 3-24	PDST 3-24	24V C.T. @ 0.1A	12V @ 0.2A
PST 4-24	PDST 4-24	24V C.T. @ 0.25A	12V @ 0.5A
PST 5-24	PDST 5-24	24V C.T. @ 0.5A	12V @ 1.0A
PST 6-24	PDST 6-24	24V C.T. @ 0.8A	12V @ 1.6A
PST 7-24	PDST 7-24	24V C.T. @ 1.5A	12V @ 3.0A
PST 2-28	PDST 2-28	28V C.T. @ 0.04A	14V @ 0.08A
PST 3-28	PDST 3-28	28V C.T. @ 0.085A	14V @ 0.17A
PST 4-28	PDST 4-28	28V C.T. @ 0.2A	14V @ 0.4A
PST 5-28	PDST 5-28	28V C.T. @ 0.42A	14V @ 0.84A
PST 6-28	PDST 6-28	28V C.T. @ 0.7A	14V @ 1.4A
PST 7-28	PDST 7-28	28V C.T. @ 1.3A	14V @ 2.6A
PST 2-36	PDST 2-36	36V C.T. @ 0.03A	18V @ 0.06A
PST 3-36	PDST 3-36	36V C.T. @ 0.065A	18V @ 0.13A
PST 4-36	PDST 4-36	36V C.T. @ 0.17A	18V @ 0.34A
PST 5-36	PDST 5-36	36V C.T. @ 0.35A	18V @ 0.7A
PST 6-36	PDST 6-36	36V C.T. @ 0.55A	18V @ 1.1A
PST 7-36	PDST 7-36	36V C.T. @ 1A	18V @ 2A
PST 2-48	PDST 2-48	48V C.T. @ 0.023A	24V @ 0.046A
PST 3-48	PDST 3-48	48V C.T. @ 0.05A	24V @ 0.1A
PST 4-48	PDST 4-48	48V C.T. @ 0.125A	24V @ 0.25A
PST 5-48	PDST 5-48	48V C.T. @ 0.25A	24V @ 0.5A
PST 6-48	PDST 6-48	48V C.T. @ 0.4A	24V @ 0.8A
PST 7-48	PDST 7-48	48V C.T. @ 0.75A	24V @ 1.5A
PST 2-56	PDST 2-56	56V C.T. @ 0.02A	28V @ 0.04A
PST 3-56	PDST 3-56	56V C.T. @ 0.045A	28V @ 0.09A
PST 4-56	PDST 4-56	56V C.T. @ 0.11A	28V @ 0.22A
PST 5-56	PDST 5-56	56V C.T. @ 0.22A	28V @ 0.44A
PST 6-56	PDST 6-56	56V C.T. @ 0.35A	28V @ 0.7A
PST 7-56	PDST 7-56	56V C.T. @ 0.65A	28V @ 1.3A
PST 2-120	PDST 2-120	120V C.T. @ 0.01A	60V @ 0.02A
PST 3-120	PDST 3-120	120V C.T. @ 0.02A	60V @ 0.04A
PST 4-120	PDST 4-120	120V C.T. @ 0.05A	60V @ 0.1A
PST 5-120	PDST 5-120	120V C.T. @ 0.1A	60V @ 0.2A
PST 6-120	PDST 6-120	120V C.T. @ 0.16A	60V @ 0.32A
PST 7-120	PDST 7-120	120V C.T. @ 0.3A	60V @ 0.6A



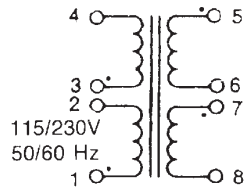
FOR PRINTED CIRCUIT APPLICATIONS

- 2.5VA — 0.650 inches high
- 6VA — 0.850 inches high
- 12VA — 1.065 inches high
- 24VA — 1.250 inches high
- 48VA — 1.375 inches high



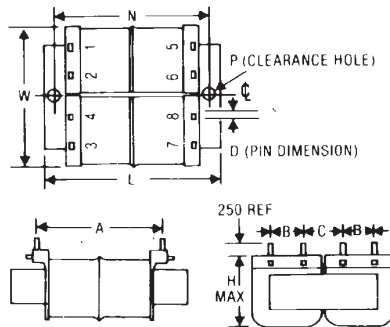
FEATURES

- Hum-bucking (semi-toroidal) construction to diminish radiated magnetic field and balance winding.
- Low profile design
- Dual primaries: 115/230V, 50/60Hz
- 1500 V RMS HIPOT
- UL recognized File #E146472
- Approved to CSA 22.2 No.66
- Class B Insulation 130°C
- Custom versions also available



*INDICATES LIKE POLARITY

Regulation of size 2 and 6 units is 30%; size 12 units is 20%. size 24 and 48 units is 15%; i.e., no load-secondary voltage is 15% higher than full load.

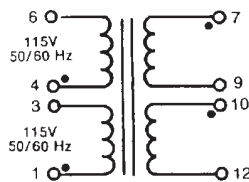
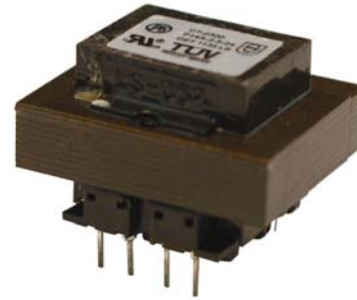


PART No.	VA (SIZE)	SERIES	PARALLEL
PLP10-250	2	10V C.T. @ 250MA	5V @ 500MA
PLP10-600	6	10V C.T. @ 600MA	5V @ 1.2A
PLP10-1200	12	10V C.T. @ 1200MA	5V @ 2.4A
PLP10-2400	24	10V C.T. @ 2.40A	5V @ 4.80A
PLP10-4800	48	10V C.T. @ 4.80A	5V @ 9.60A
PLP12-200	2	12.6V C.T. @ 200MA	6.3V @ 400MA
PLP12-450	6	12.6V C.T. @ 450MA	6.3V @ 900MA
PLP12-900	12	12.6V C.T. @ 900MA	6.3V @ 1.8A
PLP12-1900	24	12.6V C.T. @ 1.90MA	6.3V @ 3.80A
PLP12-3800	48	12.6V C.T. @ 3.80MA	6.35V @ 7.60A
PLP16-150	2	16V C.T. @ 150MA	8V @ 300MA
PLP16-350	6	16V C.T. @ 350MA	8V @ 700MA
PLP16-700	12	16V C.T. @ 700MA	8V @ 1.4A
PLP16-1500	24	16V C.T. @ 1.50A	8V @ 3.00A
PLP16-3000	48	16V C.T. @ 3.00A	8V @ 6.00A
PLP20-125	2	20V C.T. @ 125MA	10V @ 250MA
PLP20-300	6	20V C.T. @ 300MA	10V @ 600MA
PLP20-600	12	20V C.T. @ 600MA	10V @ 1.2A
PLP20-1200	24	20V C.T. @ 1.20A	10V @ 2.40A
PLP20-2400	48	20V C.T. @ 2.40A	10V @ 4.80A
PLP24-100	2	24V C.T. @ 100MA	12V @ 200MA
PLP24-250	6	24V C.T. @ 250MA	12V @ 500MA
PLP24-500	12	24V C.T. @ 500MA	12V @ 1A
PLP24-1000	24	24V C.T. @ 1.00A	12V @ 2.00A
PLP24-2000	48	24V C.T. @ 2.00A	12V @ 4.00A
PLP30-85	2	30V C.T. @ 85MA	15V @ 170MA
PLP30-200	6	30V C.T. @ 200MA	15V @ 400MA
PLP30-400	12	30V C.T. @ 400MA	15V @ 800MA
PLP30-800	24	30V C.T. @ 800MA	15V @ 1.60A
PLP30-1600	48	30V C.T. @ 1.60A	15V @ 3.20A
PLP34-75	2	34V C.T. @ 75MA	17V @ 150MA
PLP34-170	6	34V C.T. @ 170MA	17V @ 340MA
PLP34-340	12	34V C.T. @ 340MA	17V @ 680MA
PLP34-700	24	34V C.T. @ 700MA	17V @ 1.40A
PLP34-1400	48	34V C.T. @ 1.40A	17V @ 2.80A
PLP40-60	2	40V C.T. @ 60MA	20V @ 120MA
PLP40-150	6	40V C.T. @ 150MA	20V @ 300MA
PLP40-300	12	40V C.T. @ 300MA	20V @ 600MA
PLP40-600	24	40V C.T. @ 600MA	20V @ 1.20A
PLP40-1200	48	40V C.T. @ 1.20A	20V @ 2.40A
PLP56-45	2	56V C.T. @ 45MA	28V @ 90MA
PLP56-100	6	56V C.T. @ 100MA	28V @ 200MA
PLP56-200	12	56V C.T. @ 200MA	28V @ 400MA
PLP56-425	24	56V C.T. @ 425MA	28V @ 850MA
PLP56-850	48	56V C.T. @ 850MA	28V @ 1.70A
PLP88-28	2	88V C.T. @ 28MA	44V @ 56MA
PLP88-65	6	88V C.T. @ 65MA	44V @ 130MA
PLP88130	12	88V C.T. @ 130MA	44V @ 260MA
PLP120-20	2	120V C.T. @ 20MA	60V @ 40MA
PLP120-50	6	120V C.T. @ 50MA	60V @ 100MA
PLP120-100	12	120V C.T. @ 100MA	60V @ 200MA
PLP230-10	2	230V C.T. @ 10MA	115V @ 20MA
PLP230-25	6	230V C.T. @ 25MA	115V @ 50MA
PLP230-50	12	230V C.T. @ 50MA	115V @ 100MA

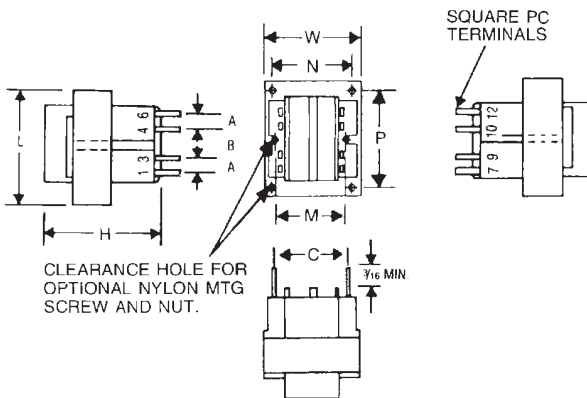
VA	Size	A	B	C	L	W	H	N	D
2		1.600	0.375	0.375	1.87	1.56	0.650	—	.041 X .020
6		1.600	0.375	0.375	1.87	1.56	0.850	—	.041 X .020
12		2.000	0.500	0.500	2.50	2.00	1.065	—	.041 X .020
24		1.900	0.600	0.530	2.87	2.25	1.250	2.41	.041 Sq
48		2.180	0.600	0.660	3.12	2.50	1.375	2.62	.041 Sq

FEATURES

- The CET Series of International Transformers is designed and built to meet U.S. and international safety standards: EN60950, UL-1950, and CSA 22.2 No. 950
- Built with dual bobbins with insulating shrouds to provide 4000V RMS isolation between primary and secondary; eliminates the need for an electrostatic shield
- UL Recognized File #E146472
- Approved to CSA 22.2 No. 66
- Class B Insulation 130°C
- Custom versions also available



PRIMARYS ARE DESIGNED TO BE USED SIMULTANEOUSLY. SECONDARIES ARE DESIGNED TO BE USED SIMULTANEOUSLY. THAT IS THEY MUST BE USED EITHER SERIES OR PARALLEL CONNECTED (AS ONE WINDING)
(See mechanical drawing for correct rooftop)



DIMENSIONS

VA	L	W	H	A	B	C	M	N	P
2.5	1 ⁵ / ₁₆	1 ⁵ / ₁₆	1 ⁵ / ₁₆	.200	.250	1.000	1.06	-	-
5.0	1 ⁵ / ₁₆	1 ⁵ / ₁₆	1 ⁵ / ₁₆	.200	.400	1.000	1.06	-	-
10.0	1 ⁵ / ₁₆	1 ⁹ / ₁₆	1 ⁵ / ₁₆	.200	.400	1.140	1.25	-	-
20.0	2 ¹ / ₄	1 ⁵ / ₁₆	1 ⁵ / ₁₆	.400	.400	1.460	1.50	-	-
30.0	2 ⁵ / ₁₆	2 ⁵ / ₁₆	1 ⁹ / ₁₆	.550	.275	1.680	-	1.75	2.18
56.0	3	2 ¹ / ₂	1 ¹³ / ₁₆	.600	.300	1.900	-	2.00	2.50

PART NUMBER	VA (SIZE)	SECONDARY RMS RATING	
		SERIES	PARALLEL
P14A-2.5-10	2.5	10V C.T. @ 0.25A	5V @ 0.5A
P14A-5-10	5	10V C.T. @ 0.5A	5V @ 1.0A
P14A-10-10	10	10V C.T. @ 1.0A	5V @ 2.0A
P14A-20-10	20	10V C.T. @ 2.0A	5V @ 4.0A
P14A-30-10	30	10V C.T. @ 3.0A	5V @ 6.0A
P14A-56-10	56	10V C.T. @ 5.6A	5V @ 11.2A
P14A-2.5-12	2.5	12.6V C.T. @ 0.2A	6.3V @ 0.4A
P14A-5-12	5	12.6V C.T. @ 0.4A	6.3V @ 0.8A
P14A-10-12	10	12.6V C.T. @ 0.8A	6.3V @ 1.6A
P14A-20-12	20	12.6V C.T. @ 1.6A	6.3V @ 3.2A
P14A-30-12	30	12.6V C.T. @ 2.4A	6.3V @ 4.8A
P14A-56-12	56	12.6V C.T. @ 4.4A	6.3V @ 8.8A
P14A-2.5-16	2.5	16V C.T. @ 0.15A	8V @ 0.3A
P14A-5-16	5	16V C.T. @ 0.31A	8V @ 0.62A
P14A-10-16	10	16V C.T. @ 0.62A	8V @ 1.25A
P14A-20-16	20	16V C.T. @ 1.25A	8V @ 2.5A
P14A-30-16	30	16V C.T. @ 1.9A	8V @ 3.8A
P14A-56-16	56	16V C.T. @ 3.5A	8V @ 7.0A
P14A-2.5-20	2.5	20V C.T. @ 0.12A	10V @ 0.24A
P14A-5-20	5	20V C.T. @ 0.25A	10V @ 0.5A
P14A-10-20	10	20V C.T. @ 0.5A	10V @ 1.0A
P14A-20-20	20	20V C.T. @ 1.0A	10V @ 2.0A
P14A-30-20	30	20V C.T. @ 1.5A	10V @ 3.0A
P14A-56-20	56	20V C.T. @ 2.8A	10V @ 5.6A
P14A-2.5-24	2.5	24V C.T. @ 0.1A	12V @ 0.2A
P14A-5-24	5	24V C.T. @ 0.21A	12V @ 0.42A
P14A-10-24	10	24V C.T. @ 0.42A	12V @ 0.84A
P14A-20-24	20	24V C.T. @ 0.83A	12V @ 1.66A
P14A-30-24	30	24V C.T. @ 1.25A	12V @ 2.50A
P14A-56-24	56	24V C.T. @ 2.33A	12V @ 4.66A
P14A-2.5-28	2.5	28V C.T. @ 0.09A	14V @ 0.18A
P14A-5-28	5	28V C.T. @ 0.18A	14V @ 0.36A
P14A-10-28	10	28V C.T. @ 0.36A	14V @ 0.72A
P14A-20-28	20	28V C.T. @ 0.72A	14V @ 1.44A
P14A-30-28	30	28V C.T. @ 1.06A	14V @ 2.12A
P14A-56-28	56	28V C.T. @ 2.0A	14V @ 4.0A
P14A-2.5-36	2.5	36V C.T. @ 0.07A	18V @ 0.14A
P14A-5-36	5	36V C.T. @ 0.14A	18V @ 0.28A
P14A-10-36	10	36V C.T. @ 0.28A	18V @ 0.56A
P14A-20-36	20	36V C.T. @ 0.56A	18V @ 1.12A
P14A-30-36	30	36V C.T. @ 0.82A	18V @ 1.64A
P14A-56-36	56	36V C.T. @ 1.56A	18V @ 3.12A



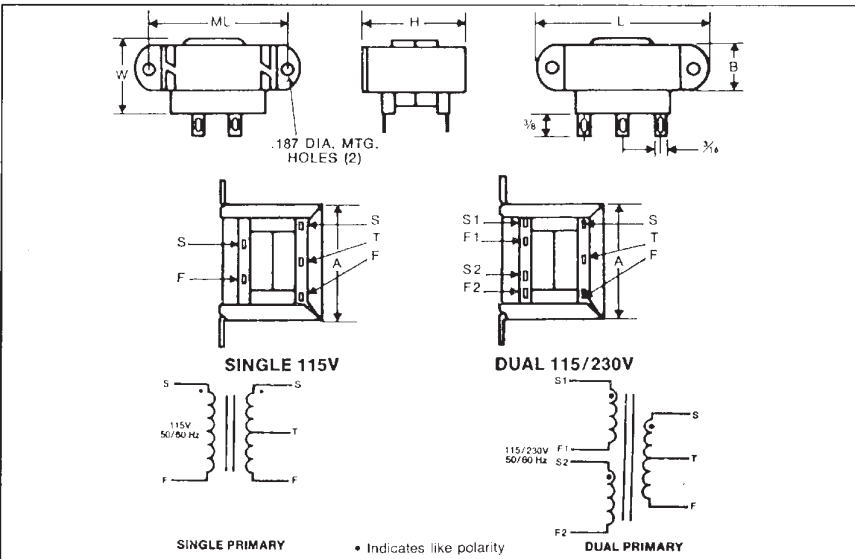
The P/PDP series is an illustration of the use of creative design applied to small power transformers. The result is a line where, for a given VA rating, size, and weight are reduced almost 50%.

- **BOBBIN WOUND**—Maximum Utilization of Winding Area—Space and Size Reduced.
- **SPLIT BOBBIN—NON-CONCENTRIC WINDING** — Lower Capacitance—Better insulation—2500V RMS Hipot—No need for Electro-Static Shield—High Isolation and Insulation Resistance. No Cross Overs of Primary and Secondary Leads.

The series is available with single 115V or dual 115/230V primary, rated 50/60 Hz.

- UL Recognized File #E146472
- Approved to CSA 22.2 No. 66
- Class B Insulation 130°C
- Custom Versions also available.

PART NUMBER		Secondary RMS Rating	PART NUMBER		Secondary RMS Rating
Single 115V	Dual 115/230V		Single 115V	Dual 115/230V	
P241-3-10		10V C.T. @ 0.25A	P241-3-28		28V C.T. @ 0.085A
P241-4-10	PDP 241-4-10	10V C.T. @ 0.6A	P241-4-28	PDP 241-4-28	28V C.T. @ 0.2A
P241-5-10	PDP 241-5-10	10V C.T. @ 1.2A	P241-5-28	PDP 241-5-28	28V C.T. @ 0.42A
P241-6-10	PDP 241-6-10	10V C.T. @ 3.0A	P241-6-28	PDP 241-6-28	28V C.T. @ 1.1A
P241-7-10	PDP 241-7-10	10V C.T. @ 5.0A	P241-7-28	PDP 241-7-28	28V C.T. @ 2.0A
P241-8-10	PDP 241-8-10	10V C.T. @ 10A	P241-8-28	PDP 241-8-28	28V C.T. @ 3.6A
P241-3-12		12.6V C.T. @ 0.2A	P241-3-36		36V C.T. @ 0.065A
P241-4-12	PDP 241-4-12	12.6V C.T. @ 0.5A	P241-4-36	PDP 241-4-36	36V C.T. @ 0.17A
P241-5-12	PDP 241-5-12	12.6V C.T. @ 1.0A	P241-5-36	PDP 241-5-36	36V C.T. @ 0.35A
P241-6-12	PDP 241-6-12	12.6V C.T. @ 2.5A	P241-6-36	PDP 241-6-36	36V C.T. @ 0.85A
P241-7-12	PDP 241-7-12	12.6V C.T. @ 4.0A	P241-7-36	PDP 241-7-36	36V C.T. @ 1.5A
P241-8-12	PDP 241-8-12	12.6V C.T. @ 8.0A	P241-8-36	PDP 241-8-36	36V C.T. @ 2.8A
P241-3-16		16V C.T. @ 0.15A	P241-3-48		48V C.T. @ 0.05A
P241-4-16	PDP 241-4-16	16V C.T. @ 0.4A	P241-4-48	PDP 241-4-48	48V C.T. @ 0.125A
P241-5-16	PDP 241-5-16	16V C.T. @ 0.8A	P241-5-48	PDP 241-5-48	48V C.T. @ 0.25A
P241-6-16	PDP 241-6-16	16V C.T. @ 2.0A	P241-6-48	PDP 241-6-48	48V C.T. @ 0.63A
P241-7-16	PDP 241-7-16	16V C.T. @ 3.5A	P241-7-48	PDP 241-7-48	48V C.T. @ 1.2A
P241-8-16	PDP 241-8-16	16V C.T. @ 6.25A	P241-8-48	PDP 241-8-48	48V C.T. @ 2.0A
P241-3-20		20V C.T. @ .12A	P241-3-56		56V C.T. @ 0.045A
P241-4-20	PDP 241-4-20	20V C.T. @ 0.3A	P241-4-56	PDP 241-4-56	56V C.T. @ 0.11A
P241-5-20	PDP 241-5-20	20V C.T. @ 0.6A	P241-5-56	PDP 241-5-56	56V C.T. @ 0.22A
P241-6-20	PDP 241-6-20	20V C.T. @ 1.5A	P241-6-56	PDP 241-6-56	56V C.T. @ 0.54A
P241-7-20	PDP 241-7-20	20V C.T. @ 2.8A	P241-7-56	PDP 241-7-56	56V C.T. @ 1.0A
P241-8-20	PDP 241-8-20	20V C.T. @ 5.0A	P241-8-56	PDP 241-8-56	56V C.T. @ 1.8A
P241-3-24		24V C.T. @ 0.1A	P241-3-120		120V C.T. @ 0.02A
P241-4-24	PDP 241-4-24	24V C.T. @ 0.25A	P241-4-120	PDP 241-4-120	120V C.T. @ 0.05A
P241-5-24	PDP 241-5-24	24V C.T. @ 0.5A	P241-5-120	PDP 241-5-120	120V C.T. @ 0.1A
P241-6-24	PDP 241-6-24	24V C.T. @ 1.25A	P241-6-120	PDP 241-6-120	120V C.T. @ 0.25A
P241-7-24	PDP 241-7-24	24V C.T. @ 2.4A	P241-7-120	PDP 241-7-120	120V C.T. @ 0.5A
P241-8-24	PDP 241-8-24	24V C.T. @ 4.0A	P241-8-120	PDP 241-8-120	120V C.T. @ 0.85A



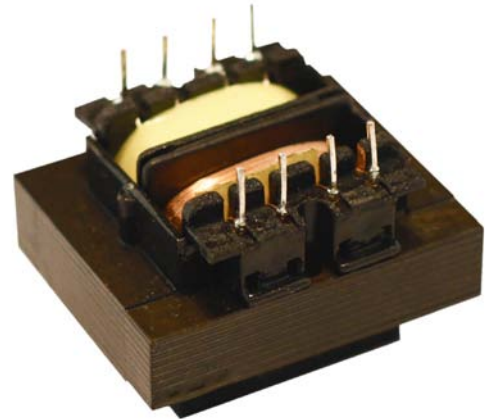
DIMENSIONS

Size	VA	L	W	H	A	B	ML	Lbs.
3	2.4	2 1/16	1 1/16	1 3/16	1 5/8	9/16	1 3/4	0.25
4	6	2 3/8	1 1/4	1 3/8	1 11/16	11/16	2	0.44
5	12	2 13/16	1 3/8	1 5/8	1 15/16	13/16	2 3/8	0.7
6	30	3 1/4	1 11/16	1 15/16	2 5/16	1 1/16	2 13/16	1.1
7	56	3 11/16	1 13/16	2 1/4	2 11/16	1 1/16	3 1/8	1.7
8	100	4 1/32	2 1/4	2 9/16	3 1/16	1 5/16	3 9/16	2.75

PC Board Type

FEATURES

- The CET chassis mount series for triple output regulated supplies in (μ P) applications
- Dual complementary outputs with your regulators, ± 12 VDC and ± 15 VDC
- Additional isolated single output gives you 5VDC after regulation
- PC mount
- A low noise alternative to multi-output switchers
- Dual bobbin construction
- UL recognized File # E146472
- Approved to CSA 22.2 No. 66
- TUV approved
- Custom versions also available



Dimensions

Pin

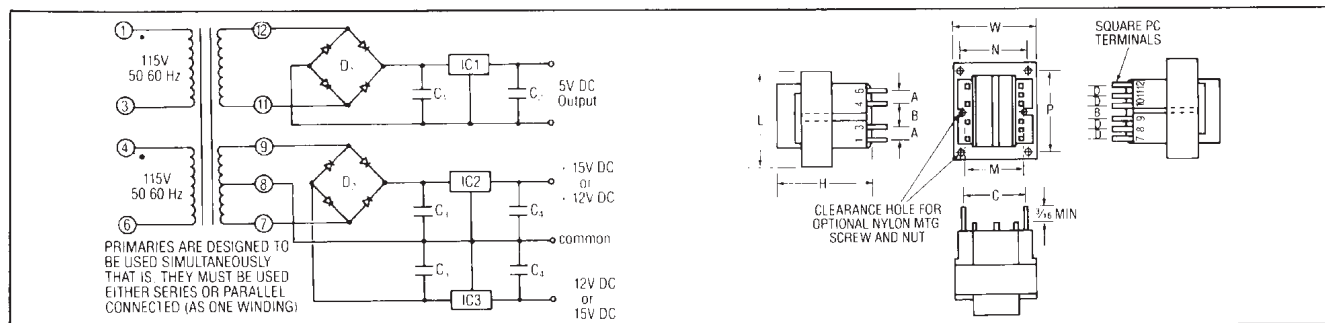
Mtg.

Mtg. Screw

Part Number	DC Output		VA	Suggested Components						(C ₂ , C ₄ , see Note 1)	
	Regulator 1	Regulator 2		C ₁	C ₂	IC1 ²	IC2 ²	IC3 ²	D1 ⁴	D2 ⁴	
Primary 50/60 Hz											
115.230V											
P14A-20-512	5V @ 750MA	± 12 V @ 200MA	20	2.3 KMFD	600 MFD @	LM-323K-5	LM-340K-12	LM320K-12	PE20	PF20	
P14A-20-515	5v @ 750MA	± 15 v @ 175MA	20	@ 50 VDC	@ 50 VDC	LM-323K-5	LM-340K-15	LM-320K-15	PE20	PF20	
P14A-30-512	5v @ 1.25A	± 12 v @ 250MA	30	4.1 KMFD	1.1 KMFD	LM-323K-5	LM-340K-12	LM-320K-12	PE20	PF20	
P14A-30-515	5v @ 1.25A	± 15 v @ 200MA	30	@ 15 VDC	@ 50 VDC	LM-323K-5	LM-340K-15	LM-320K-15	PE20	PF20	
P14A-56-512	5v @ 3A	± 12 v @ 300MA	56	10. KMFD	1.1 KMFD	LM-338 ²	LM-340K-12	LM-340K-12	PP20	PF20	
P14A-56-515	5v @ 3A	± 15 v @ 250MA	56	@ 15 VDC	@ 50 VDC	LM-338 ²	LM-340K-15	LM-340K-15	PP20	PF20	

Note:

1. Output capacitors C₂ and C₄ are required to stabilize regulators. Values can be 1 MFD min. tantalum or 10MFD min. electrolytic, 20V min.
2. LM-338 is an adjustable regulator and MFR's specifications (National Semiconductor) should be consulted for values of external components.
3. All ICs are National Semiconductor types.

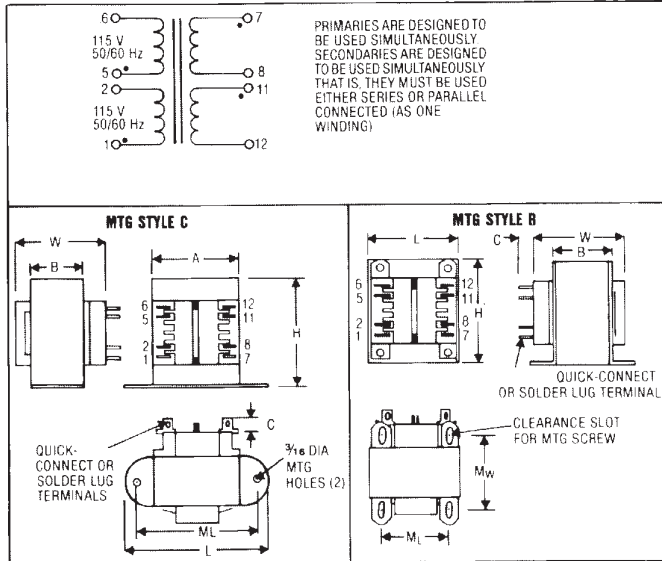
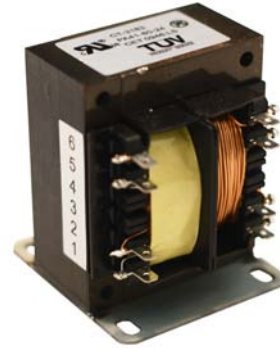


VA	L	W	H	A	B	C	D	Dimensions	M	N	P	Size	Quantity	Lbs.
20.0	21/4	17/8	15/8	.400	.400	1.460	.200	0.038SQ	1 1/2	—	—	#4	2	0.90
30.0	25/8	23/16	19/16	.550	.275	1.680	.275	0.045SQ	—	1 3/4	23/16	#6	4	1.15
56.0	3	2 1/2	1 13/16	.600	.300	1.900	.300	0.045SQ	—	2	2 1/2	#6	4	1.70

Chassis Mount Type

FEATURES

- The CET international chassis mount series is designed and built to meet U.S. and international safety standards: EN60950, UL-1950, and CSA22.2NO. 950
- Built with dual bobbins with insulating shrouds to provide 4000VRMS isolation between primary and secondary
- UL recognized File #146472
- Approved to CSA 22.2 No. 66
- TUV approved
- Class B insulation 130° C
- Custom versions also available



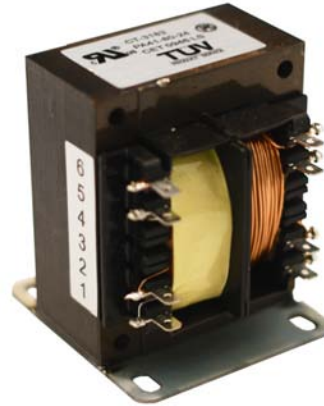
Part No.	VA (Size)	Secondary RMS Rating	
		Series	Parallel
PA41-25-10	25	10V C.T. @ 2.5A	5V @ 5.0A
PA41-43-10	43	10V C.T. @ 4.3A	5V @ 8.6A
PA41-80-10	80	10V C.T. @ 8.0A	5V @ 16.0A
PA41-130-10	130	10V C.T. @ 13.0A	5V @ 26.0A
PA41-175-10	175	10V C.T. @ 17.5A	5V @ 35.0A
PA41-25-12	25	12.6V C.T. @ 2.0A	6.3V @ 4.0A
PA41-43-12	43	12.6V C.T. @ 3.4A	6.3V @ 6.8A
PA41-80-12	80	12.6V C.T. @ 6.3A	6.3V @ 12.6A
PA41-130-12	130	12.6V C.T. @ 10.3A	6.3V @ 20.6A
PA41-175-12	175	12.6V C.T. @ 14.0A	6.3V @ 28.0A
PA41-25-16	25	16V C.T. @ 1.6A	8V @ 3.2A
PA41-43-16	43	16V C.T. @ 2.7A	8V @ 5.4A
PA41-80-16	80	16V C.T. @ 5.0A	8V @ 10.0A
PA41-130-16	130	16V C.T. @ 8.1A	8V @ 16.2A
PA41-175-16	175	16V C.T. @ 11.0A	8V @ 22.0A
PA41-25-20	25	20V C.T. @ 1.25A	10V @ 2.5A
PA41-43-20	43	20V C.T. @ 2.2A	10V @ 4.4A
PA41-80-20	80	20V C.T. @ 4.0A	10V @ 8.0A
PA41-130-20	130	20V C.T. @ 6.5A	10V @ 13.0A
PA41-175-20	175	20V C.T. @ 8.8A	10V @ 17.6A
PA41-25-24	25	24V C.T. @ 1A	12V @ 2A
PA41-43-24	43	24V C.T. @ 1.8A	12V @ 3.6A
PA41-80-24	80	24V C.T. @ 3.3A	12V @ 6.6A
PA41-130-24	130	24V C.T. @ 5.4A	12V @ 10.8A
PA41-175-24	175	24V C.T. @ 7.3A	12V @ 14.6A
PA41-25-28	25	28V C.T. @ 0.9A	14V @ 1.86A
PA41-43-28	43	28V C.T. @ 1.5A	14V @ 3.0A
PA41-80-28	80	28V C.T. @ 2.8A	14V @ 5.6A
PA41-130-28	130	28V C.T. @ 4.6A	14V @ 9.2A
PA41-175-28	175	28V C.T. @ 6.25A	14V @ 12.5A
PA41-25-36	25	36V C.T. @ 0.7A	18V @ 1.4A
PA41-43-36	43	36V C.T. @ 1.2A	18V @ 2.4A
PA41-80-36	80	36V C.T. @ 2.2A	18V @ 4.4A
PA41-130-36	130	36V C.T. @ 3.6A	18V @ 7.2A
PA41-175-36	175	36V C.T. @ 4.8A	18V @ 9.6A
PA41-25-230	25	230V C.T. @ 0.11A	115V @ 0.22A
PA41-43-230	43	230V C.T. @ 0.19A	115V @ 0.38A
PA41-80-230	80	230V C.T. @ 0.35A	115V @ 0.7A
PA41-130-230	130	230V C.T. @ 0.57A	115V @ 1.14A
PA41-175-230	175	230V C.T. @ 0.76A	115V @ 1.52A

VA	Dimensions						Terminals	Mtg. Style	Mtg. ML	Mtg. MW.	Screw	Lbs.
	L	W	H	A	B	C						
25	213/16	17/8	25/16	2	11/8	5/16	3/16(.187)	C	23/8	—	#6	1.25
43	31/8	21/16	211/16	21/4	11/8	5/16	3/16(.187)	C	213/16	—	#6	1.6
80	21/2	23/8	3	—	13/8	5/16	3/16(.187)	B	2	23/16	#6	2.8
130	213/16	27/8	33/8	—	15/8	3/8	1/4(0.25)	B	21/4	21/2	#8	4.1
175	31/8	27/8	33/4	—	15/8	3/8	1/4(0.25)	B	21/2	21/2	#8	5.5

Chassis Mount Type

FEATURES

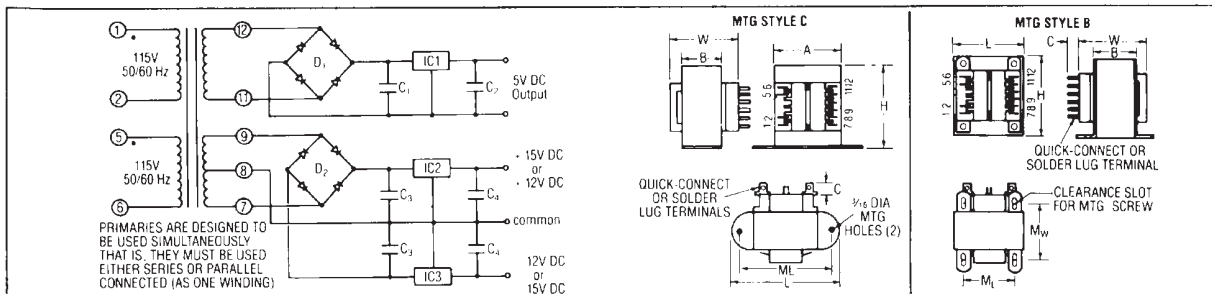
- The CET chassis mount series for triple output regulated supplies in (μ P) applications
- Dual complementary outputs with your regulators, ± 12 VDC and ± 15 VDC
- Additional isolated single output gives you 5VDC after regulation
- Chassis mount
- A low noise alternative to multi-output switchers
- Dual bobbin construction
- UL recognized File # E146472
- Approved to CSA 22.2 No. 66
- TUV approved
- Custom versions also available



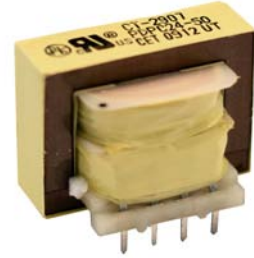
Part Number	DC Output		VA	Suggested Components					(C ₂ , C ₄ , see Note 1)		
	Primary 50/60 Hz	Regulator 1		Regulator 2	C ₁	C ₂	IC1 ¹	IC2 ²	IC3 ³	D1 ⁴	D2 ⁴
PA41-25-512	115.230V	5V @ 1.25A	± 12 V @150MA	25	4.1 KMFD	600 MFD	LM-323K-5	LM-340K-12	LM-320K-12	PE20	PF20
PA41-25-515	115.230V	5V @ 1.25A	± 15 V@130MA	25	@ 50 VDC	@ 50 VDC	LM-323K-5	LM-340K-15	LM-320K-15	PE20	PF20
PA41-43-512	115.230V	5v @ 2A	± 12 v@300MA	43	8 KFMD	1.1 KFMD	LM-323K-5	LM-340K-12	LM-320K-12	PE20	PF20
PA41-43-515	115.230V	5v @ 2A	± 15 v@250MA	43	@15 VDC	@50 VDC	LM-323K-5	LM-340K-15	LM-320K-15	PE20	PF20
PA41-80-512	115.230V	5v @ 3.5A	± 12 v@600MA	80	10 KMFD	2.1 KMFD	LM-338 ²	LM-340K-12	LM-320K-12	PP20	PF20
PA41-80-515	115.230V	5v @ 3.5A	± 15 v@500MA	80	@ 15 VDC	@ 50 VDC	LM-338 ²	LM-340K-15	LM-320K-15	PP20	PF20

Note:

1. Output capacitors C₂ and C₄ are required to stabilize regulators. Values can be 1 MFD min. tantalum or 10MFD min. electrolytic, 20V min.
2. LM-338 is an adjustable regulator and MFR's specifications (National Semiconductor) should be consulted for values of external components.
3. All ICs are National Semiconductor types.
4. All bridges are EDI types.



VA	L	W	H	A	B	C	Terminals	Style	Size	Screw	Lbs.	
25	213/16	17/8	25/16	2	11/8	5/16	3/16 (.187)	C	23/8	—	#6	1.25
43	31/8	21/16	211/16	21/4	11/8	5/16	3/16 (.187)	C	213/16	—	#6	1.6
80	21/2	23/8	3	—	13/8	5/16	3/16 (.187)	B	2	23/16	#6	2.8

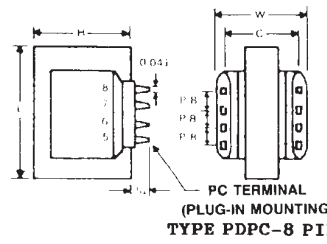
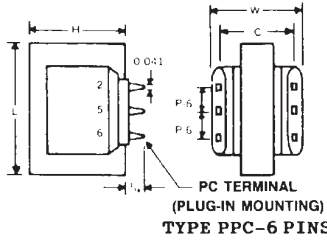
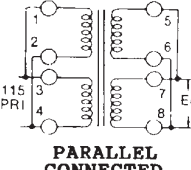
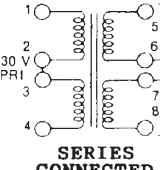
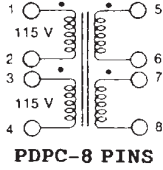
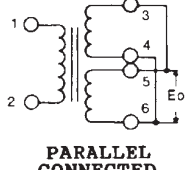
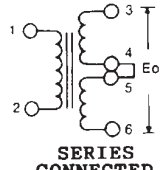
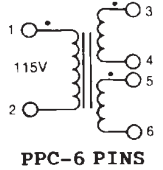


FEATURES

CET has a complete and diversified selection of miniature plug-in power transformers. Primary ratings of 115V (style PDPC-6 pin) or dual 115/230V (style PDPC-8 pin) are standard for the entire line. Size 1.0 is used extensively where height is a limiting factor since its height of 0.83 allows 1 inch spacing of PC boards. Size 24 is unusual since 24 watt PC transformers are not readily available, especially with a height of 1 3/8 inches.

- UL recognized File # E146472
- Approved to CSA 22.2 No. 66
- Class B insulation 130°C
- 1500V HIPOT standard
- Custom versions also available

SZ	VA	L	W	H	A-6 (6-Pin)	A-8 (8-Pin)	C	WT. (oz.)	OPTIONAL BRACKET*		
									No.	MW	MD
2	1.0	1	1 3/8	0.83	0.250	0.200	1.200	2.5	—	—	—
3	1.2	1 3/8	1 1/8	1 3/16	0.312	0.200	1.000	3	—	—	—
4	4.4	1 5/8	1 1/4	1 3/8	0.400	0.250	1.100	5	—	—	—
5	10.	1 7/8	1 7/16	1 5/8	0.400	0.250	1.300	9	10-BR	1 41/64	1 1/8
6	24.	1 5/8	2 1/4	1 3/8	0.400	0.250	2.100	12	24-BR	1 3/8	2

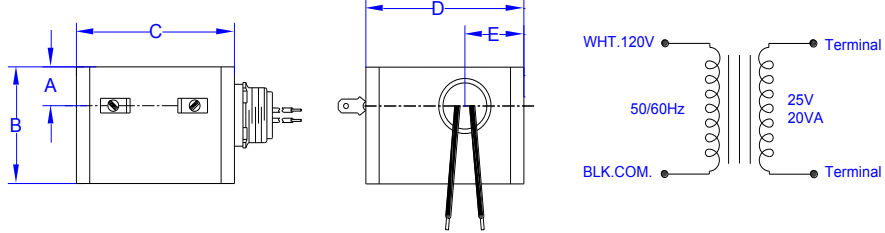


PART NUMBER	SECONDARY RMS RATING*	
	Single Series	Parallel
PPC 10-90	10V C.T. @ 90MA	5V @ 180MA
PPC 10-120	10V C.T. @ 120MA	5V @ 240MA
PPC 10-440	10V C.T. @ 440MA	5V @ 880MA
PPC 10-1000	10V C.T. @ 1A	5V @ 2A
PPC 10-2400	10V C.T. @ 2.4A	5V @ 4.8A
PPC 12-70	12.5V C.T. @ 70MA	6.3V @ 140MA
PPC 12-100	12.6V C.T. @ 100MA	6.3V @ 200MA
PPC 12-350	12.6V C.T. @ 350MA	6.3V @ 700MA
PPC 12-800	12.6V C.T. @ 800MA	6.3V @ 1.6A
PPC 12-2000	12.6V C.T. @ 2A	6.3V @ 4A
PPC 16-55	16V C.T. @ 55MA	8V @ 110MA
PPC 16-75	16V C.T. @ 75MA	8V @ 150MA
PPC 16-260	16V C.T. @ 260MA	8V @ 520MA
PPC 16-640	16V C.T. @ 640MA	8V @ 1.28A
PPC 16-1500	16V C.T. @ 1.5A	8V @ 3A
PPC 20-45	20V C.T. @ 45MA	10V @ 90MA
PPC 20-60	20V C.T. @ 60MA	10V @ 120MA
PPC 20-220	20V C.T. @ 220MA	10V @ 440MA
PPC 20-500	20V C.T. @ 500MA	10V @ 1A
PPC 20-1200	20V C.T. @ 1.2A	10V @ 2.4A
PPC 24-35	24V C.T. @ 35MA	12V @ 70MA
PPC 24-50	24V C.T. @ 50MA	12V @ 100MA
PPC 24-180	24V C.T. @ 180MA	12V @ 360MA
PPC 24-450	24V C.T. @ 450MA	12V @ 900MA
PPC 24-1000	24V C.T. @ 1A	12V @ 2A
PPC 28-30	28V C.T. @ 30MA	14V @ 60MA
PPC 28-40	28V C.T. @ 40MA	14V @ 80MA
PPC 28-160	28V C.T. @ 16-MA	14V @ 320MA
PPC 28-360	28V C.T. @ 360MA	14V @ 720MA
PPC 28-800	28V C.T. @ 800MA	14V @ 1.6A
PPC 34-25	34V C.T. @ 25MA	17V @ 50MA
PPC 34-35	34V C.T. @ 35MA	17V @ 70MA
PPC 34-125	34V C.T. @ 125MA	17V @ 250MA
PPC 34-300	34V C.T. @ 300MA	17V @ 600MA
PPC 34-700	34V C.T. @ 700MA	17V @ 1.4A
PPC 40-20	40V C.T. @ 20MA	20V @ 40MA
PPC 40-30	40V C.T. @ 30MA	20V @ 60MA
PPC 40-110	40V C.T. @ 110MA	20V @ 220MA
PPC 40-250	40V C.T. @ 250MA	20V @ 500MA
PPC 40-600	40V C.T. @ 600MA	20V @ 1.2A
PPC 56-15	56V C.T. @ 15MA	28V @ 30MA
PPC 56-20	56V C.T. @ 20MA	28V @ 40MA
PPC 56-80	56V C.T. @ 80MA	28V @ 160MA
PPC 56-180	56V C.T. @ 180MA	28V @ 360MA
PPC 56-420	56V C.T. @ 420MA	28V @ 840MA
PPC 120-8	120V C.T. @ 8MA	60V @ 16MA
PPC 120-10	120V C.T. @ 10MA	60V @ 20MA
PPC 120-35	120V C.T. @ 35MA	60V @ 70MA
PPC 120-85	120V C.T. @ 85MA	60V @ 170MA
PPC 120-200	120V C.T. @ 200MA	60V @ 400MA

CLASS 2 TRANSFORMERS



Outdoor Type



UNIT: Inch±0.04

MODEL	VA	PRI(VAC)	HZ	SEC	UL MARK	CE MARK	A	B	C	D	E
CT-2011SP	20	120	50/60	25	V	V	0.75"	1.79"	2.53"	0.81"	2.10"

Outdoor Type

Totally Enclosure With Plastic Box.



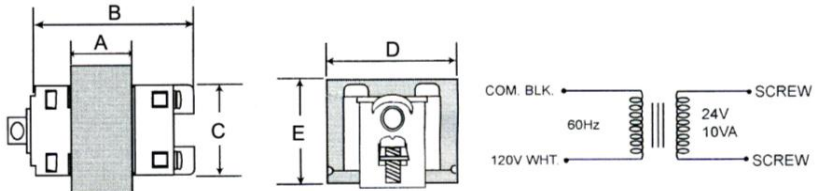
UL Listed for the US and Canada.

CE

Conformite Europeenne.



1011FL



UNIT: Inch±0.04

MODEL	VA	PRI(VAC)	HZ	SEC	UL MARK	CE MARK	A	B	C	D	E
CT-1011FL	10	120	50/60	24	V	V	0.75"	2.09"	1.19"	1.62"	1.30"

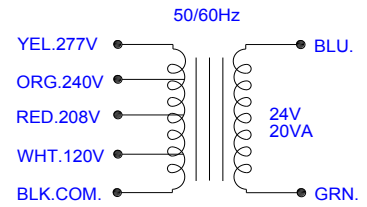
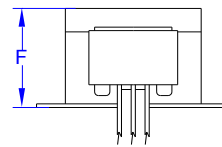
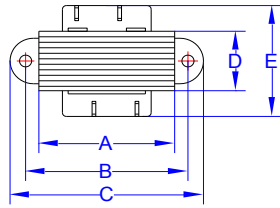
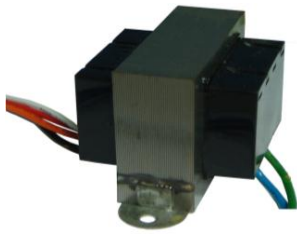


UL Listed for the US and Canada.

CE: Conformite Europeenne.

**10VA and 20VA
Transformer**

CLASS 2 TRANSFORMERS



UNIT: Inch±0.04

MODEL	VA	PRI(VAC)	HZ	SEC	UL MARK	CE MARK	A	B	C	D	E	F
CT-2001OF	20	240	50/60	24	V	V	2.09"	2.80"	3.24"	0.89"	1.72"	1.91"
CT-2011OF	20	120	50/60	24	V	V	2.09"	2.80"	3.24"	0.89"	1.72"	1.91"
CT-2021OF	20	208/240	50/60	24	V	V	2.09"	2.80"	3.24"	0.89"	1.72"	1.91"
CT-2031OF	20	120/208/240	50/60	24	V	V	2.09"	2.80"	3.24"	0.89"	1.72"	1.91"
CT-20277OF	20	277	50/60	24	V	V	2.09"	2.80"	3.24"	0.89"	1.72"	1.91"

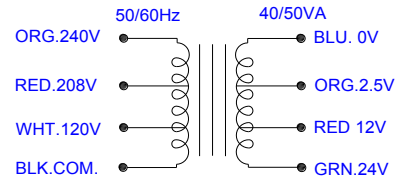
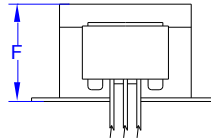
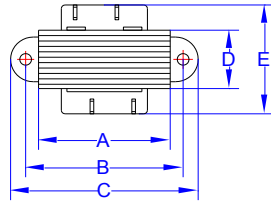
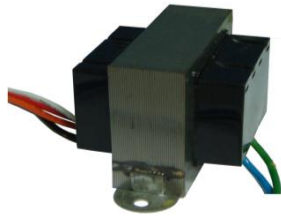


UL Recognized for the US and Canada.

CE: Conformance Européenne.

20VA OPEN FRAME

CLASS 2 TRANSFORMERS



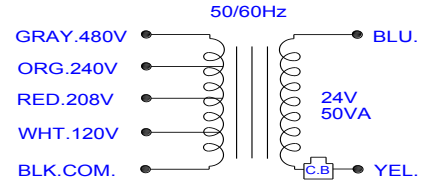
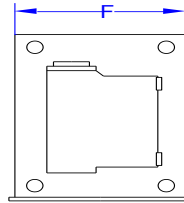
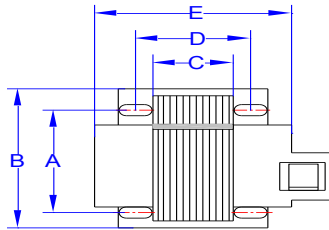
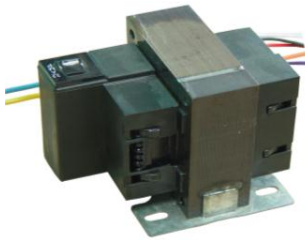
  UNIT: Inch±0.04												
MODEL	VA	PRI(VAC)	HZ	SEC	UL MARK	CE MARK	A	B	C	D	E	F
CT-40110F	40	120	50/60	24	V	V	2.60"	3.16"	3.54"	0.89"	2.09"	2.26"
CT-40210F	40	208/240	50/60	24	V	V	2.60"	3.16"	3.54"	0.89"	2.09"	2.26"
CT-40310F	40	120/208/240	50/60	24	V	V	2.60"	3.16"	3.54"	0.89"	2.09"	2.26"
CT-402770F	40	277	50/60	24	V	V	2.60"	3.16"	3.54"	0.89"	2.09"	2.26"
CT-403130F	40	120/208/240	50/60	2.5/12/24	V	V	2.60"	3.16"	3.54"	0.89"	2.09"	2.26"
CT-50110F	50	120	50/60	24	V	V	2.60"	3.16"	3.54"	0.89"	2.09"	2.26"
CT-50210F	50	208/240	50/60	24	V	V	2.60"	3.16"	3.54"	0.89"	2.09"	2.26"
CT-50310F	50	120/208/240	50/60	24	V	V	2.60"	3.16"	3.54"	0.89"	2.09"	2.26"
CT-503130F-1	50	120/208/240	50/60	2.5/12/24	V	V	2.60"	3.16"	3.54"	0.89"	2.09"	2.26"




 **UL Recognized for the US and Canada.**


CE: **Conformite Europeenne.**

**40VA and 50VA
 OPEN FRAME**

CLASS 2 TRANSFORMERS

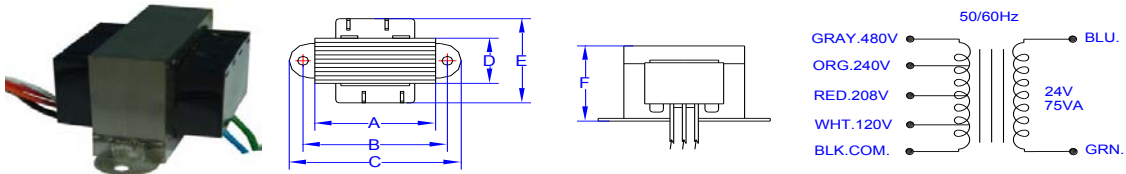




								UNIT: Inch±0.04					
MODEL	VA	PRI(VAC)	HZ	SEC	UL MARK	CE MARK	CSA MARK	A	B	C	D	E	F
CT-5041OFC -X	50	120	50/60	24	V	V	V	2.01"	2.92"	1.03"	1.81"	2.36"	2.50"
	50	208	50/60	24	V	V	V	2.01"	2.92"	1.03"	1.81"	2.36"	2.50"
	50	240	50/60	24	V	V	V	2.01"	2.92"	1.03"	1.81"	2.36"	2.50"
	50	480	50/60	24	V	V	V	2.01"	2.92"	1.03"	1.81"	2.36"	2.50"
	50	120/240	50/60	24	V	V	V	2.01"	2.92"	1.03"	1.81"	2.36"	2.50"
	50	208/240	50/60	24	V	V	V	2.01"	2.92"	1.03"	1.81"	2.36"	2.50"
	50	240/480	50/60	24	V	V	V	2.01"	2.92"	1.03"	1.81"	2.36"	2.50"
	50	120/208/240	50/60	24	V	V	V	2.01"	2.92"	1.03"	1.81"	2.36"	2.50"
	50	208/240/480	50/60	24	V	V	V	2.01"	2.92"	1.03"	1.81"	2.36"	2.50"
50	120/208/240/480	50/60	24	V	V	V	2.01"	2.92"	1.03"	1.81"	2.36"	2.50"	

-  **UL Recognized for the US.**
- CE:** **Conformite Europeenne.**
-  **Conformite Canada.**
- X** **May Be One Of Input Thru Four Voltages.**

**5041OFC-X
OPEN FRAME**

CLASS 2 TRANSFORMERS



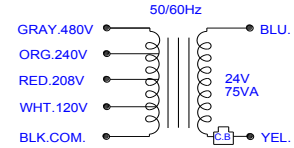
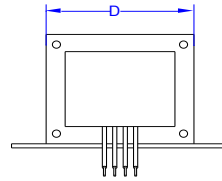
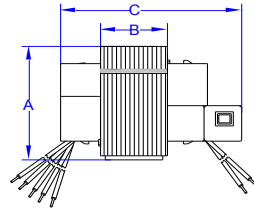
  UNIT: Inch±0.04												
MODEL	VA	PRI(VAC)	HZ	SEC	UL MARK	CE MARK	A	B	C	D	E	F
CT-7551OF	75	120/208/240/277/480	50/60	24	V	V	3.00"	3.58"	4.01"	1.37"	2.97"	2.56"
CT-7551OF-11	75	120	50/60	24	V	V	3.00"	3.58"	4.01"	1.37"	2.97"	2.56"
CT-7551OF-12	75	208	50/60	24	V	V	3.00"	3.58"	4.01"	1.37"	2.97"	2.56"
CT-7551OF-13	75	240	50/60	24	V	V	3.00"	3.58"	4.01"	1.37"	2.97"	2.56"
CT-7551OF-14	75	277	50/60	24	V	V	3.00"	3.58"	4.01"	1.37"	2.97"	2.56"
CT-7551OF-15	75	480	50/60	24	V	V	3.00"	3.58"	4.01"	1.37"	2.97"	2.56"
CT-7551OF-22	75	120/240	50/60	24	V	V	3.00"	3.58"	4.01"	1.37"	2.97"	2.56"
CT-7551OF-25	75	208/240	50/60	24	V	V	3.00"	3.58"	4.01"	1.37"	2.97"	2.56"
CT-7551OF-31	75	120/208/240	50/60	24	V	V	3.00"	3.58"	4.01"	1.37"	2.97"	2.56"

 UL Recognized for the US and Canada.

CE: Conformance Européenne.

75VA OPEN FRAME

CLASS 2 TRANSFORMERS



UNIT: Inch±0.04

MODEL	VA	PRI(VAC)	HZ	SEC	UL MARK	CE MARK	A	B	C	D
CT-7541OFC-X	75	120/208/240/480	50/60	24	V	V	2.56"	1.12"	3.40"	2.99"



UL Recognized for the US and Canada.

CE:

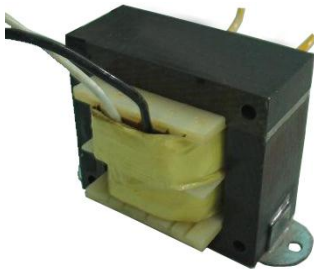
Conformite Europeenne.

X

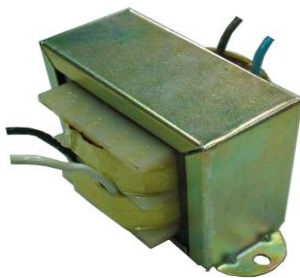
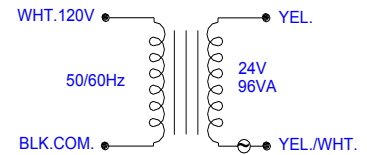
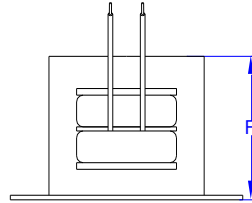
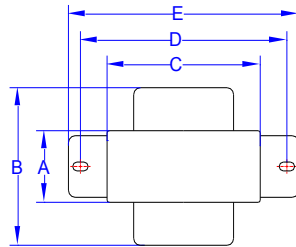
May Be One Of Input Thru Four Voltages.

7541OFC-X Transformer

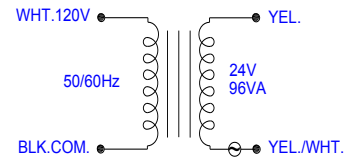
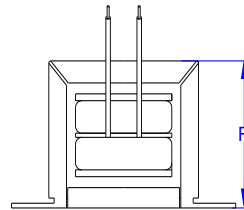
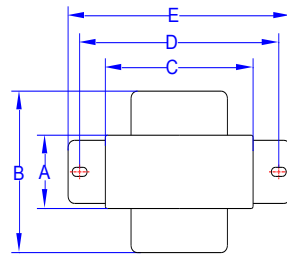
CLASS 2 TRANSFORMERS



TYPE A



TYPE B



UNIT: Inch±0.04

MODEL	VA	PRI(VAC)	HZ	SEC	UL MARK	CE MARK	TYPE	A	B	C	D	E	F
CT-10001F-O 96	96	115	50/60	24	V	V	A	1.28"	2.24"	3"	3.62"	4.021"	2.63"
CT-10001F-B 96	96	115	50/60	24	V	V	B	1.34"	2.24"	3.06"	3.62"	4.021"	2.63"



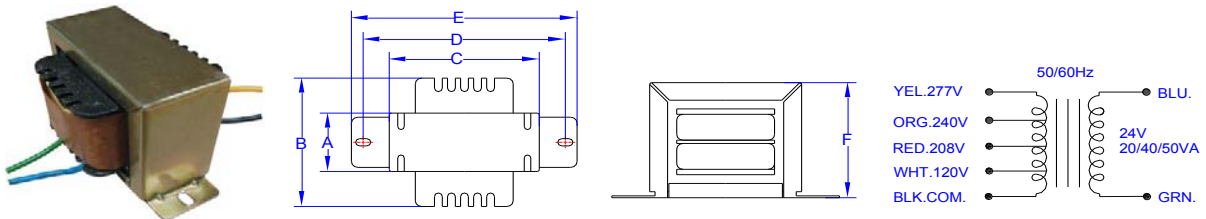
UL Recognized for the US and Canada.

CE:

Conformite Europeenne.

100VA OPEN FRAME AND CHANNEL FRAME TRANSFORMER

CLASS 2 TRANSFORMERS



UL CE



UNIT: Inch±0.04

MODEL	VA	PRI(VAC)	HZ	SEC	UL MARK	CE MARK	A	B	C	D	E	F
CT-20277	20	277	50/60	24	V	V	1.01"	1.72"	2.33"	2.85"	3.31"	1.99"
CT-40277	40	277	50/60	24	V	V	1.28"	2.14"	2.61"	3.22"	3.57"	2.30"

UL CE

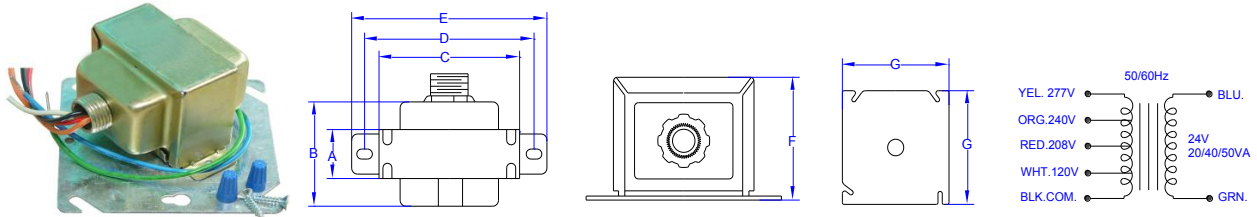
UNIT: Inch±0.04

MODEL	VA	PRI(VAC)	HZ	SEC	UL MARK	CE MARK	A	B	C	D	E	F
CT-2001F	20	240	50/60	24	V	V	1.01"	1.72"	2.33"	2.85"	3.31"	1.99"
CT-2011F	20	120	50/60	24	V	V	1.01"	1.72"	2.33"	2.85"	3.31"	1.99"
CT-2021F	20	208/240	50/60	24	V	V	1.01"	1.72"	2.33"	2.85"	3.31"	1.99"
CT-2031F	20	120/208/240	50/60	24	V	V	1.01"	1.72"	2.33"	2.85"	3.31"	1.99"
CT-4011F	40	120	50/60	24	V	V	1.28"	2.14"	2.61"	3.22"	3.57"	2.30"
CT-4021F	40	208/240	50/60	24	V	V	1.28"	2.14"	2.61"	3.22"	3.57"	2.30"
CT-4031F	40	120/208/240	50/60	24	V	V	1.28"	2.14"	2.61"	3.22"	3.57"	2.30"
CT-4041F	40	120/208/240/277	50/60	24	V	V	1.28"	2.14"	2.61"	3.22"	3.57"	2.30"
CT-5011F	50	120	50/60	24	V	V	1.36"	2.22"	2.61"	3.22"	3.57"	2.30"
CT-5021F	50	208/240	50/60	24	V	V	1.36"	2.22"	2.61"	3.22"	3.57"	2.30"
CT-5031F	50	120/208/240	50/60	24	V	V	1.36"	2.22"	2.61"	3.22"	3.57"	2.30"

-  **UL Listed for the US and Canada.**
-  **UL Recognized for the US and Canada.**
- CE:** **Conformite Europeenne.**
- F:** **Foot Mount With Channel Frame.**

**20VA 40VA 50VA CHANNEL FRAME
TRANSFORMER**

CLASS 2 TRANSFORMERS



MODEL	VA	PRI(VAC)	HZ	SEC	UL MARK	CE MARK	UNIT: Inch±0.04						
							A	B	C	D	E	F	G
CT-2001MW	20	240	50/60	24	V	V	1.01"	2.32"	2.69"	3.22"	3.57"	2.28"	4.00"
CT-2011MW	20	120	50/60	24	V	V	1.01"	2.32"	2.69"	3.22"	3.57"	2.28"	4.00"
CT-2021MW	20	208/240	50/60	24	V	V	1.01"	2.32"	2.69"	3.22"	3.57"	2.28"	4.00"
CT-2031MW	20	120/208/240	50/60	24	V	V	1.01"	2.32"	2.69"	3.22"	3.57"	2.28"	4.00"
CT-4011MW	40	120	50/60	24	V	V	1.22"	2.71"	2.69"	3.22"	3.57"	2.28"	4.00"
CT-4021MW	40	208/240	50/60	24	V	V	1.22"	2.71"	2.69"	3.22"	3.57"	2.28"	4.00"
CT-4031MW	40	120/208/240	50/60	24	V	V	1.22"	2.71"	2.69"	3.22"	3.57"	2.28"	4.00"
CT-4041MW	40	120/208/240/277	50/60	24	V	V	1.22"	2.71"	2.69"	3.22"	3.57"	2.28"	4.00"
CT-402424MW	40	24	50/60	24	V	V	1.22"	2.71"	2.69"	3.22"	3.57"	2.28"	4.00"
CT-40313MW-XX	40	120/208/240	50/60	2.5/12/24	V	V	1.22"	2.71"	2.69"	3.22"	3.57"	2.28"	4.00"
CT-5011MW	50	120	50/60	24	V	V	1.30"	2.84"	2.69"	3.22"	3.57"	2.28"	4.00"
CT-5021MW	50	208/240	50/60	24	V	V	1.30"	2.84"	2.69"	3.22"	3.57"	2.28"	4.00"
CT-5031MW	50	120/208/240	50/60	24	V	V	1.30"	2.84"	2.69"	3.22"	3.57"	2.28"	4.00"
CT-50313MW-XX	50	120/208/240	50/60	2.5/12/24	V	V	1.306"	2.84"	2.69"	3.22"	3.57"	2.28"	4.00"



UL Listed for the US and Canada.

CE: Conformance Européenne.

MW: Both Sides are Connected with Lead Wires.

XX May be 11, 12, 13, 21, 22, 23, 31, 32 and 33 and represent as follow:

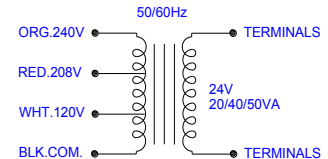
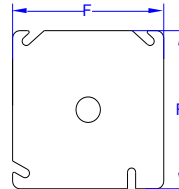
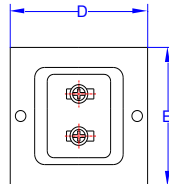
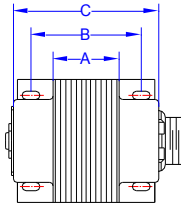
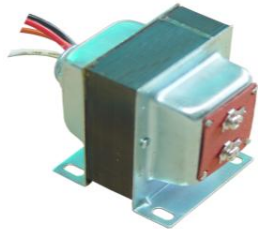
11, 12, 13: Represent any one Primary with any one,two,three of Secondary.

21, 22, 23: Represent any two Primary with any one,two,three of Secondary.

31, 32, 33: Represent three Primary with any one,two,three of Secondary.

20VA 40VA 50VA MW
TRANSFORMER

CLASS 2 TRANSFORMERS



MODEL	VA	PRI(VAC)	HZ	SEC	UL	CE	A	B	C	D	E	F
					MARK	MARK						
CT-2001MT	20	240	50/60	24	V	V	1.03"	1.59"	2.32"	1.91"	2.59"	4.00"
CT-2011MT	20	120	50/60	24	V	V	1.03"	1.59"	2.32"	1.91"	2.59"	4.00"
CT-2021MT	20	208/240	50/60	24	V	V	1.03"	1.59"	2.32"	1.91"	2.59"	4.00"
CT-2031MT	20	120/208/240	50/60	24	V	V	1.03"	1.59"	2.32"	1.91"	2.59"	4.00"
CT-4011MT	40	120	50/60	24	V	V	1.18"	1.98"	2.79"	2.17"	2.88"	4.00"
CT-4021MT	40	208/240	50/60	24	V	V	1.18"	1.98"	2.79"	2.17"	2.88"	4.00"
CT-4031MT	40	120/208/240	50/60	24	V	V	1.18"	1.98"	2.79"	2.17"	2.88"	4.00"
CT-5011MT	50	120	50/60	24	V	V	1.255"	2.05"	2.79"	2.17"	2.88"	4.00"
CT-5021MT	50	208/240	50/60	24	V	V	1.25"	2.05"	2.79"	2.17"	2.88"	4.00"
CT-5031MT	50	120/208/240	50/60	24	V	V	1.25"	2.05"	2.79"	2.17"	2.88"	4.00"



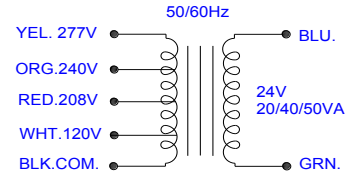
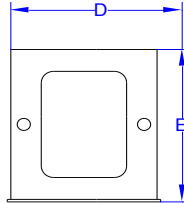
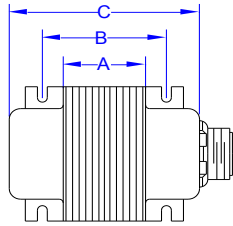
UL Listed for the US and Canada.

CE: Conformance Européenne.

MT: Secondary is Connect with Screw Terminal.

20VA 40VA 50VA MT
TRANSFORMER

CLASS 2 TRANSFORMERS



UNIT: Inch±0.04

MODEL	VA	PRI(VAC)	HZ	SEC	UL MARK	CE MARK	A	B	C	D	E
CT-2001MWSH	20	240	50/60	24	V	V	1.00"	1.59"	2.32"	1.91"	2.59"
CT-2011MWSH	20	120	50/60	24	V	V	1.00"	1.59"	2.32"	1.91"	2.59"
CT-2021MWSH	20	208/240	50/60	24	V	V	1.00"	1.59"	2.32"	1.91"	2.59"



UNIT: Inch±0.04

MODEL	VA	PRI(VAC)	HZ	SEC	UL MARK	CE MARK	A	B	C	D	E
CT-2021MWSH	20	208/240	50/60	24	V	V	1.00"	1.59"	2.32"	1.91"	2.59"
CT-40277	40	277	50/60	24	V	V	1.18"	1.98"	2.70"	2.17"	2.88"
CT-4011MWSH	40	120	50/60	24	V	V	1.18"	1.98"	2.70"	2.17"	2.88"
CT-40313MWSH-XX	40	120/208/240	50/60	2.5/12/24	V	V	1.18"	1.98"	2.70"	2.17"	2.88"
CT-5011MWSH	50	120	50/60	24	V	V	1.25"	2.05"	2.79"	2.17"	2.88"



UL Listed for the US and Canada.



UL Recognized for the US and Canada.

CE:

Conformite Europeenne.

SH

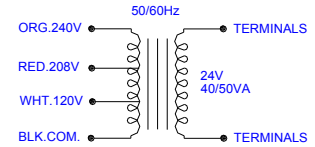
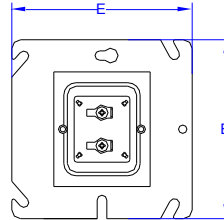
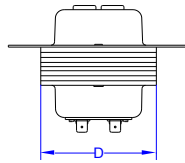
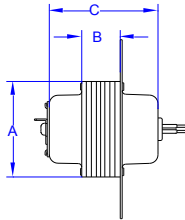
All Lead Wire Is Through On Hub.

XX

Any Primary With Any Secondary.

20VA 40VA 50VA MWSH
TRANSFORMER

CLASS 2 TRANSFORMERS



UNIT: Inch±0.04

MODEL	VA	PRI(VAC)	HZ	SEC	UL MARK	CE MARK	A	B	C	D	E
CT-4011PT	40	120	50/60	24	V	V	2.17"	1.10"	2.80"	2.60"	4.03"
CT-4021PT	40	208/240	50/60	24	V	V	2.17"	1.10"	2.80"	2.60"	4.03"
CT-4031PT	40	120/208/240	50/60	24	V	V	2.17"	1.10"	2.80"	2.60"	4.03"
CT-5011PT	50	120	50/60	24	V	V	2.17"	1.18"	2.88"	2.60"	4.03"
CT-5021PT	50	208/240	50/60	24	V	V	2.17"	1.18"	2.88"	2.60"	4.03"
CT-5031PT	50	120/208/240	50/60	24	V	V	2.17"	1.18"	2.88"	2.60"	4.03"



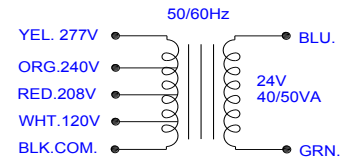
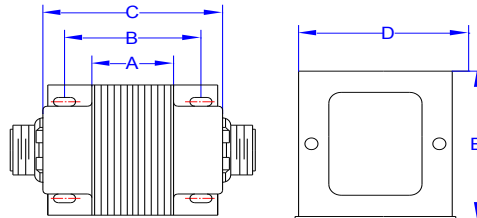
UL Listed for the US and Canada.

CE: Conformance Européenne.

PT: Secondary Connected with screw Terminals.

40VA 50VA PT
TRANSFORMER

CLASS 2 TRANSFORMERS



UNIT: Inch±0.04

MODEL	VA	PRI(VAC)	HZ	SEC	UL MARK	CE MARK	A	B	C	D	E
CT-4011MWDH	40	120	50/60	24	V	V	1.18"	1.98"	2.70"	2.17"	2.88"
CT-40313MWDH-XX 40	40	120/208/240	50/60	2.5/12/24	V	V	1.18"	1.98"	2.70"	2.17"	2.88"
CT-50277D	50	277	50/60	24	V	V	1.25"	2.05"	2.79"	2.17"	2.88"
CT-5011MWDH	50	120	50/60	24	V	V	1.25"	2.05"	2.79"	2.17"	2.88"
CT-5031MW	50	120/208/240	50/60	24	V	V	1.25"	2.05"	2.79"	2.17"	2.88"



UL Listed for the US and Canada.

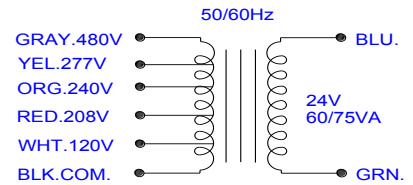
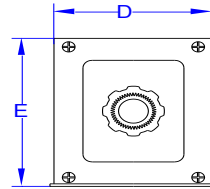
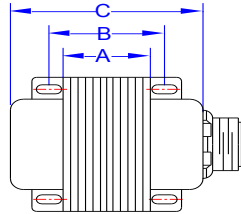
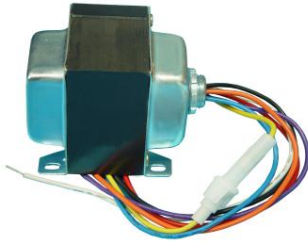
CE: Conformance Européenne.

DH Lead Wire is Through Both Side Of Hub.

XX Any Primary With Any Secondary.

40VA 50VA MWDH
TRANSFORMER

CLASS 2 TRANSFORMERS



UNIT: Inch±0.04

MODEL	VA	PRI(VAC)	HZ	SEC	UL MARK	CE MARK	A	B	C	D	E
CT-6001F	60	240	50/60	24	V	V	1.26"	1.92"	3.48"	2.5"	3.05
CT-6011F	60	120	50/60	24	V	V	1.26"	1.92"	3.48"	2.5"	3.05
CT-6021F	60	208/240	50/60	24	V	V	1.26"	1.92"	3.48"	2.5"	3.05
CT-6031F	60	120/208/240	50/60	24	V	V	1.26"	1.92"	3.48"	2.5"	3.05
CT-75277F	75	277	50/60	24	V	V	1.64"	2.31"	3.86"	2.5"	3.05
CT-7501F	75	480	50/60	24	V	V	1.64"	2.31"	3.86"	2.5"	3.05
CT-7511F	75	120	50/60	24	V	V	1.64"	2.31"	3.86"	2.5"	3.05
CT-7521F	75	208/240	50/60	24	V	V	1.64"	2.31"	3.86"	2.5"	3.05
CT-7531F	75	120/208/240	50/60	24	V	V	1.64"	2.31"	3.86"	2.5"	3.05
CT-7541F	75	120/208/240/480	50/60	24	V	V	1.64"	2.31"	3.86"	2.5"	3.05
CT-7551F	75	120/208/240/277/480	50/60	24	V	V	1.64"	2.31"	3.86"	2.5"	3.05

 UL Recognized for the US and Canada.

CE: Conformance Européenne.

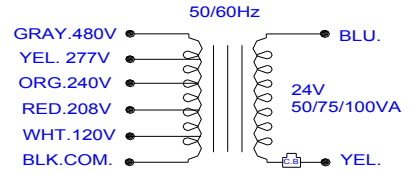
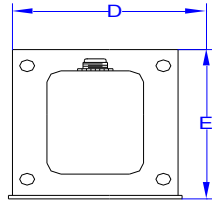
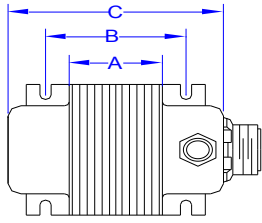
F: Heavy Duty With External Fuse.

60VA 70VA EXTERNAL FUSE
TRANSFORMER

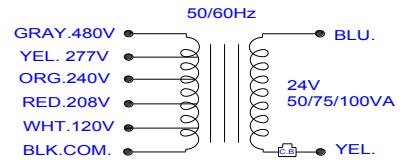
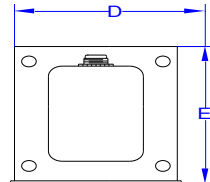
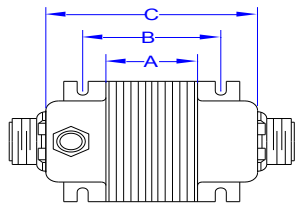
CLASS 2 TRANSFORMERS



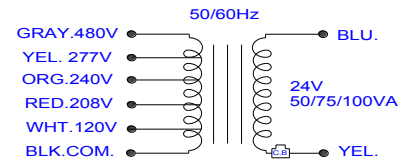
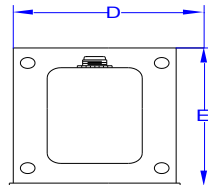
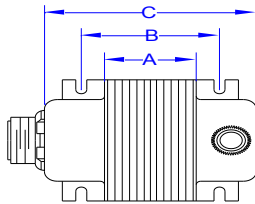
TYPE A



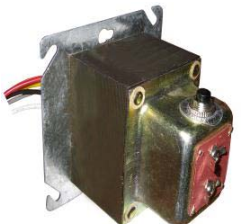
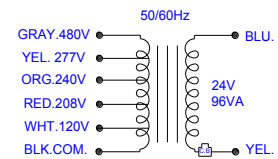
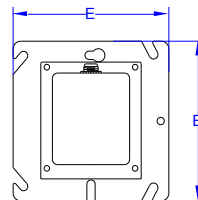
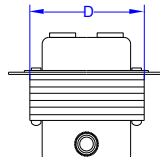
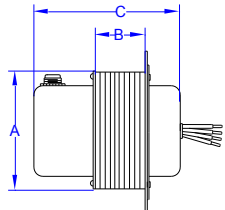
TYPE B



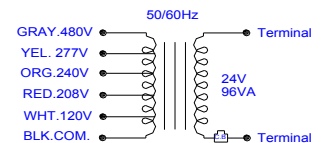
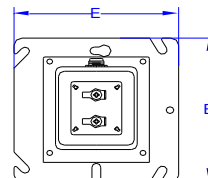
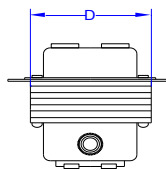
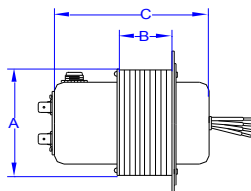
TYPE C



TYPE D



TYPE E



50VA 75VA 100VA WITH CIRCUIT BREAKER
TRANSFORMER:1

CLASS 2 TRANSFORMERS

Model	VA	PRI(VAC)	HZ	SEC	Over Current Protection	UL	CE	TYPE	UNIT: Inch± 0.04				
						MARK	MARK		A	B	C	D	E
CT5051MWCB-Y	50	120/208/240/277/480	50/60	24	Circuit Breaker	V	V	A.B.C	1.26"	1.91"	3.45"	2.5"	3.06"
CT7551CBMW-Y	75	120/208/240/277/480	50/60	24	Circuit Breaker	V	V	A.B.C	1.67"	2.31"	3.87"	2.5"	3.06"
CT10051MWCB-Y	96	120/208/240/277/480	50/60	24	Circuit Breaker	V	V	A.B.C	2.06"	2.69"	4.25"	2.5"	3.06"
CT10051CBPW-Y	96	120/208/240/277/480	50/60	24	Circuit Breaker	V	V	D	3.00"	2.00"	4.29"	2.51"	4.03"
CT10051CBPT-Y	96	120/208/240/277/480	50/60	24	Circuit Breaker	V	V	E	3.00"	2.00"	4.29"	2.51"	4.03"



UL Listed for the US and Canada.

CE:

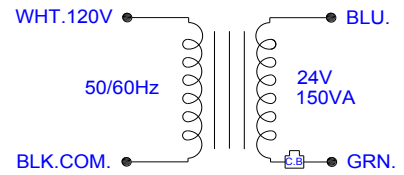
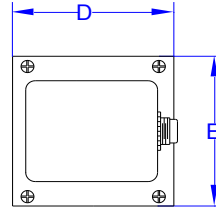
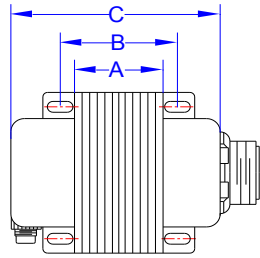
Conformite Europeenne.

Y

May Be One Of Input Thru Five Voltages.

50VA 75VA 100VA WITH CIRCUIT BREAKER
TRANSFORMER:2

GENERAL PURPOSE TRANSFORMERS



UNIT: Inch±0.04

MODEL	VA	PRI(VAC)	HZ	SEC	Over Current Protection	UL MARK	CE MARK	A	B	C	D	E
CT-15001MWL	150	120	50/60	24	Circuit Breaker	V	V	1.37"	2.48"	3.45"	3.79"	3.20"



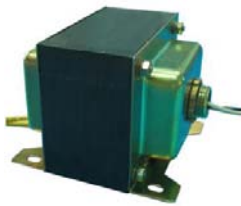
UL Listed for the US and Canada.

CE:

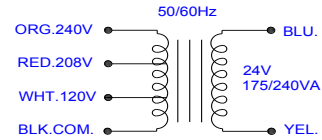
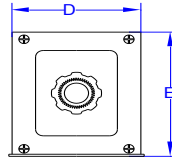
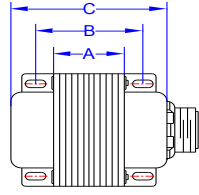
Conformite Europeenne.

**150VA WITH CIRCUIT BREAKER
TRANSFORMER**

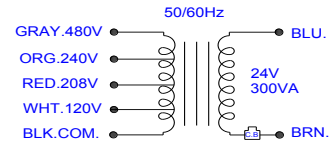
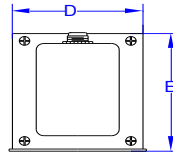
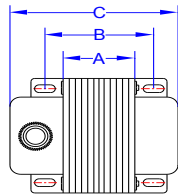
GENERAL PURPOSE TRANSFORMERS



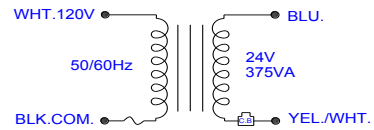
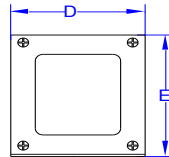
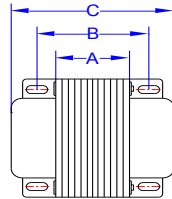
TYPE A



TYPE B



TYPE C



UNIT: Inch±0.04

MODEL	VA	PRI(VAC)	HZ	SEC	UL MARK	CE MARK	TYPE	A	B	C	D	E
CT-17501MWL	175	120	50/60	24	V	V	A	2.09"	3.19"	4.12"	3.80"	3.20"
CT-17502MWL	175	208/240	50/60	24	V	V	A	2.09"	3.19"	4.12"	3.80"	3.20"
CT-24001MWL	240	120	50/60	24	V	V	A	2.09"	3.19"	4.12"	3.80"	3.20"
CT-300041MWL-1	300	120	50/60	24	V	V	B	2.44"	3.5"	5.13"	3.74"	4.52"
CT-300041MWL-2	300	120/240	50/60	24	V	V	B	2.44"	3.5"	5.13"	3.74"	4.52"
CT-300041MWL-3	300	120/208/240	50/60	24	V	V	B	2.44"	3.5"	5.13"	3.74"	4.52"
CT-300041MWL-4	300	120/208/240/480	50/60	24	V	V	B	2.44"	3.5"	5.13"	3.74"	4.52"
CT-37501MWL	375	120	50/60	24	V	V	C	2.09"	3.19"	4.12"	3.80"	3.20"



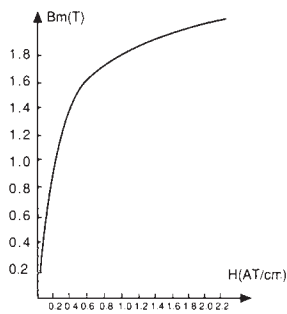
UL Listed for the US and Canada.
CE: Conformance Européenne.

175VA 240VA 300VA 375VA
TRANSFORMER

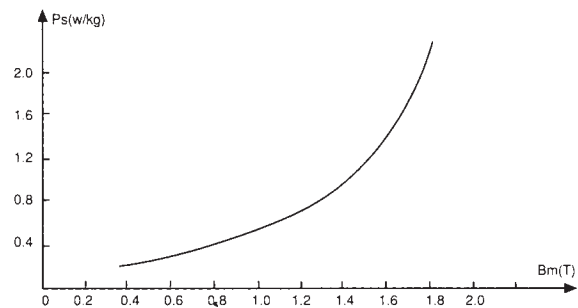


CE Approved

Product Model	Rated Power	Voltage(%) Regulation	Efficiency (%)	Weight (kg)	Dimension(mm)	
					Height	Diameter
CTHP25	25VA	20	73.0	0.4	25	68
CTHP30	30VA	16.5	76.6	0.5	25	72
CTHP40	40VA	15.8	80.2	0.6	33	79
CTHP50	50VA	15.2	82.4	0.7	33	84
CTHP63	63VA	13.8	83.5	0.8	34	89
CTHP80	80VA	12.6	84.7	1.0	34	95
CTHP100	100VA	11.2	86.5	1.3	35	105
CTHP105	105VA	10.8	86.8	1.4	35	109
CTHP125	125VA	9.6	87.3	1.6	40	110
CTHP150	150VA	7.2	88.1	2.0	42	116
CTHP160	160VA	6.6	88.6	2.1	42	118
CTHP200	200VA	6.1	89.7	2.4	48	120
CTHP250	250VA	5.5	90.3	2.9	50	127
CTHP300	300VA	5.2	91.7	3.2	55	128
CTHP400	400VA	4.6	93.8	4.7	70	133
CTHP500	500VA	4.3	94.6	5.5	72	140
CTHP630	630VA	4.1	95.0	6.7	72	155
CTHP800	800VA	3.8	95.1	8.2	72	170
CTHP1000	1000VA	3.3	95.8	10.0	78	180
CTHP1250	1250VA	2.9	96.2	13.4	80	198
CTHP1600	1600VA	2.8	96.6	16	86	210
CTHP2000	2000VA	2.5	96.9	20.0	90	232



Toroidal Cores Typical Magnetization Curve

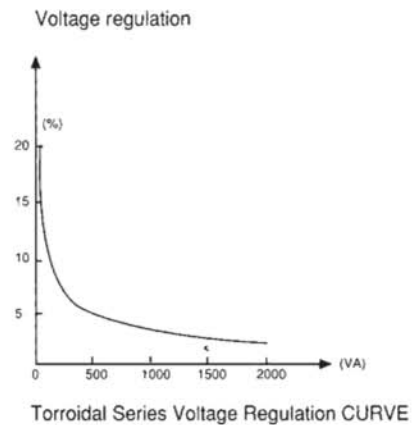
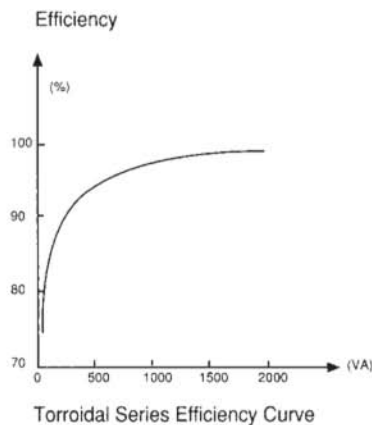


Toroidal Cores Typical Loss Curve



UL, cUL, CE Approved

Product Model	Rated Power	Rated output Voltage	Voltage(%) Regulation	Efficiency %	Weight (kg)	Dimension(mm)	
						Height	Diameter
CTHLB-30	30VA	12V	16.4	76	0.5	31	78
CTHLB-40	40VA	12V	15.3	79	0.6	35	83
CTHLB-50	50VA	12V	14.7	82	0.7	36	88
CTHLB-63	63VA	12V	14.0	83	0.8	38	93
CTHLB-80	80VA	12V	13.3	84	1.0	41	96
CTHLB-105	105VA	12V	9.7	87	1.4	47	98
CTHLB-120	120VA	12V	8.9	88	1.6	43	113
CTHLB-150	150VA	12V	7.3	88	1.8	49	113
CTHLB-190	190VA	12V	7.0	89.6	2.3	50	121
CTHLB-200	200VA	12V	7.0	89.8	2.4	52	124
CTHLB-240	240VA	12V	6.2	90.3	2.7	54	130
CTHLB-250	250VA	12V	6.2	90.5	2.8	56	133
CTHLB-300	300VA	12V	5.7	91.6	3.1	61	134
CTHLB-500	500VA	12V	4.0	92.7	4.9	76	145



82T Series

THOUGH HOLE CURRENT SENSE TRANSFORMERS AND INDUCTORS

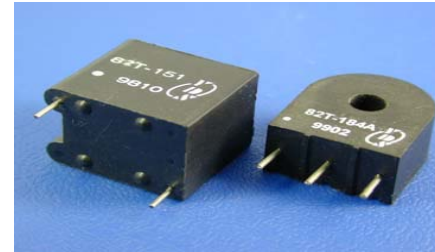


FEATURES

- Designed For Switching Power Supply Applications.
- Transformer Meets IEC950 Insulation Requirements
- Frequency Range From 20kHz To 200kHz
- Recognized By UL 60950-1

Part Number:

82T - 502 A NL
A B C D
 A:Series
 B:Inductance
 C:Schematics
 D:RoHS Version



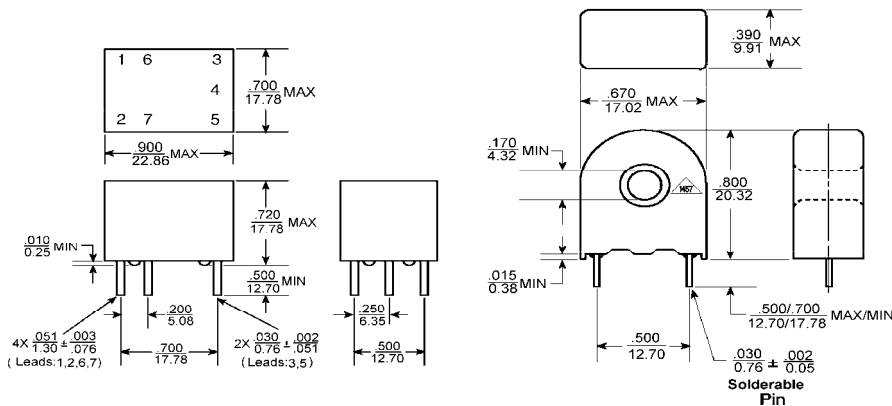
TEST CONDITIONS

- Inductance -----10KHz/500mV

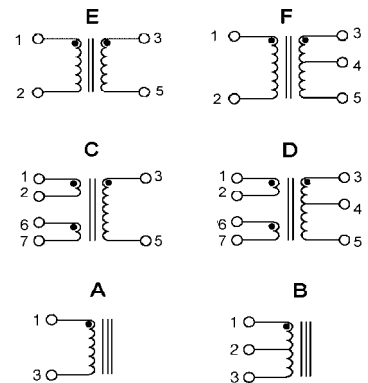
ELECTRICAL SPECIFICATIONS @25°C -Operating temperature -30°C TO +130°C

PART NUMBER	SCHEM FIGURE	TURNS NS	SECONDARY INDUCTANCE mH(MIN)	SECONDARY INDUCTANCE TEST VOLTAGE (15.75KHz)	RS (Ω MAX)	RT (Ω NOM)	PRIMARY UNIPOLAR AMP μ sec Rating(max)	PRIMARY BIPOLAR AMP μ sec Rating(max)
82T-502A	A	50	5.0	0.5	0.7	50	150	300
82T-203A	A	100	20.0	1.0	1.40	100	300	600
82T-803A	A	200	80.0	2.0	4.50	200	600	1200
82T-502B	B	50CT	5.0	0.5	0.7	50	150	300
82T-203B	B	100CT	20.0	1.0	1.40	100	300	600
82T-803B	B	200CT	80.0	2.0	4.50	200	600	1200
82T-184B	B	300CT	180.0	3.0	11.0	300	900	1800
82T-203C	C	100	20.0	1.0	1.40	100	300	600
82T-803C	C	200	80.0	2.0	4.50	200	600	1200
82T-502D	D	50CT	5.0	0.5	0.7	50	150	300
82T-203D	D	100CT	20.0	1.0	1.40	100	300	600
82T-803D	D	200CT	80.0	2.0	4.50	200	600	1200
82T-502E	E	50	5.0	0.5	0.7	50	150	300
82T-203E	E	100	20.0	1.0	1.40	100	300	600
82T-803E	E	200	80.0	2.0	4.50	200	600	1200
82T-502F	F	50CT	5.0	0.5	0.7	50	150	300
82T-203F	F	100CT	20.0	1.0	1.40	100	300	600
82T-803F	F	200CT	80.0	2.0	4.50	200	600	1200
82T-184F	F	300CT	180.0	3.0	11.0	300	900	1800

MARKINGS AND DIMENSIONS



SCHEMATICS



84T Series

500KHz CURRENT SENSE TRANSFORMERS & INDUCTORS



FEATURES

- FREQUENCY RANGE FROM 200 TO 500 KHz
- 1250 Vrms ISOLATION
- 20Amp PEAK SENSE CURRENT
- RECOGNIZED BY UL 60950-1

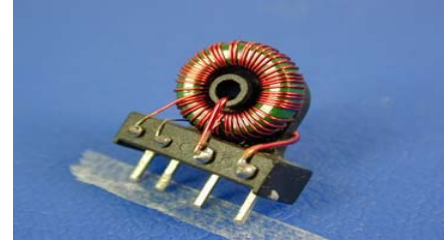
TEST CONDITIONS

- Inductance -----200KHz/200mV

Part Number:

84T - 151 A NL
A B C D

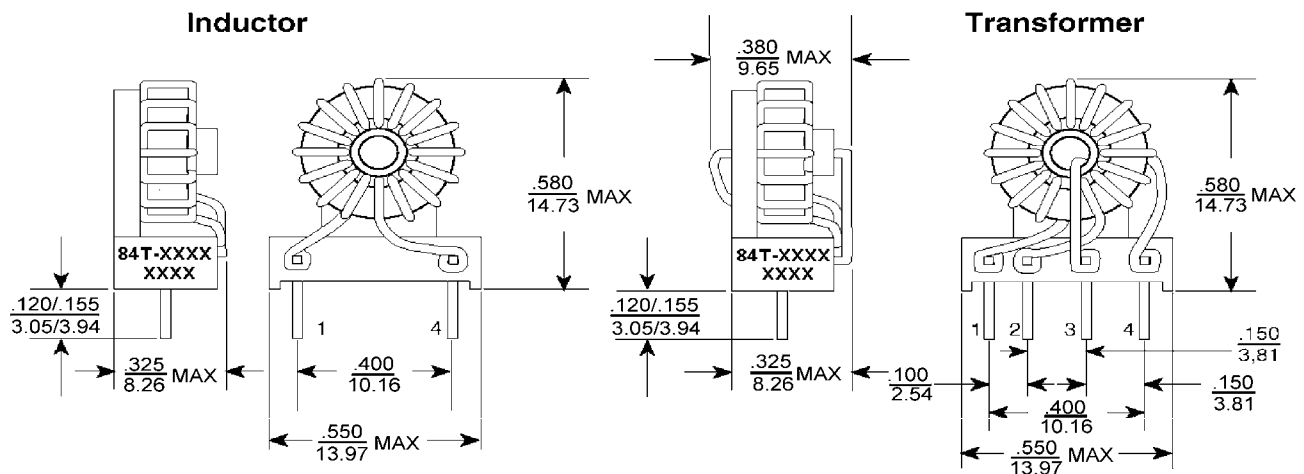
- A:Series
- B:Inductance
- C:Schematics
- D:RoHS Version



ELECTRICAL SPECIFICATIONS @25°C-Operating temperature -30°C TO +130°C

PART NUMBER INDUCTOR	PART NUMBER TRANSFORMER	RT (Ω)	SECONDARY TURNS NS	SECONDARY INDUCTANCE (μH MIN)	DCR SEC (Ω MAX)	DCR PRI (Ω)	Vs (mV)
84T-151A	84T-151B	1.50	10	150	0.055	0.006	30
84T-601A	84T-601B	3.00	20	600	0.097	0.006	60
84T-402A	84T-402B	7.50	50	4000	0.240	0.006	160

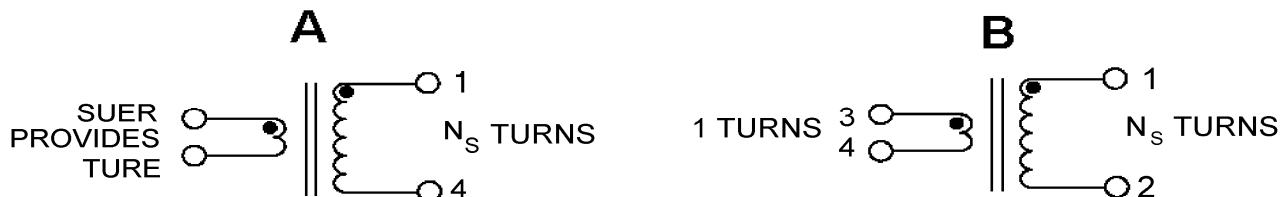
MARKINGS AND DIMENSIONS



Dimensions:inches/mm

Unless otherwise specified, all tolerances are ±.010/±0.25

SCHEMATICS



86T Series

THT CURRENT SENSE TRANSFORMERS



FEATURES

- 3000 Vrms GATE TO DRIVE WINDING TEST.
- USEFUL OPERATING FREQUENCY FROM 50 KHz TO 500KHz.
- MOST POPULAR WINDING CONFIGURATIONS.
- RECOGNIZED BY UL 60950-1



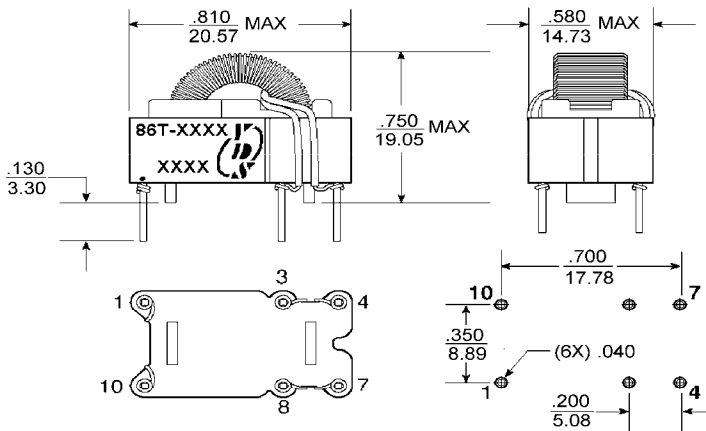
TEST CONDITIONS

- Inductance -----100KHz/200mV

ELECTRICAL SPECIFICATIONS @25°C-Operating temperature -30°C TO +130°C

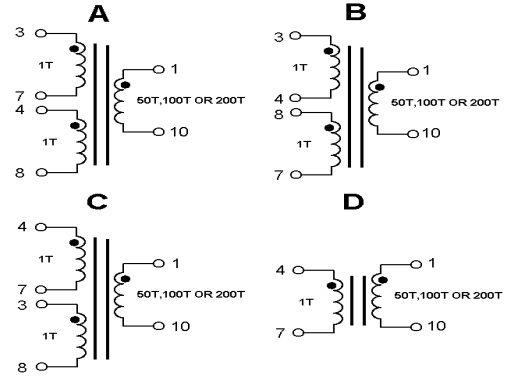
PART NUMBER	TURNS RATIO	SECONDARY INDUCTANCE (1-10)(mH MIN)	DCR SEC (1-10) (Ω MAX)	DCR SEC (1-10) (Ω MAX)	DCR SEC (1-10) (Ω MAX)	HI-POT (Vrms)	REFERENCE DATA				CALCULATION DATA	
							RT	Ipk (Amps)	DROOP (%)	MAX FLUX DENSITY	Kb	Req (mΩ)
86T-763A	1:1:200	76	2.8	2.15	2.15	3000	200	34	1.00	2000	17.12	0.9
86T-193A	1:1:100	19	1.4	2.15	2.15	3000	100	35	1.98	2000	68.49	0.8
86T-502A	1:1:50	5	0.7	2.15	2.15	3000	15	36	1.19	2000	273.97	0.75

MARKINGS AND DIMENSION



SUGGESTED PCB HOLE PATTERN

SCHEMATIC



Part Number:

86T - 763 A NL
A B C D

A:Series

B:Inductance

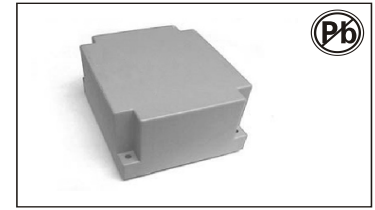
C:Schematics

D:RoHS Version

Dimensions:inches/mm

Unless otherwise specified, all tolerances are $\pm .010/\pm 0.25$

50/60HZ PCB MOUNT TRANSFORMERS – FAUI RANGE 60W 48 × 26–CT-I 4826 SERIES



FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

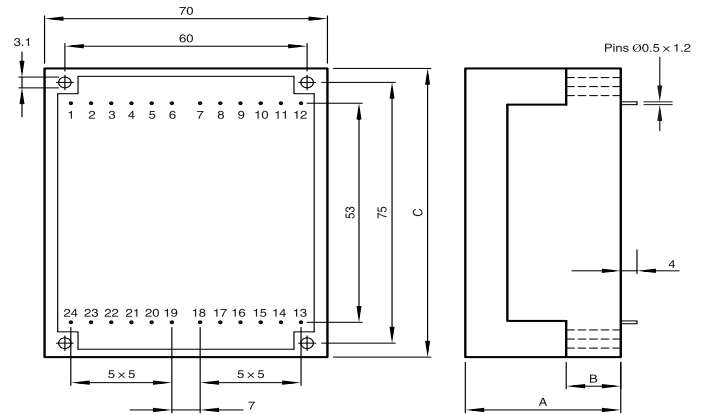
OPTIONS:

- Bulk packaging is standard
- Custom design available

ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115~230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
CT-I 482673	2 × 6	2 × 5000	2 × 6.6	T50B
CT-I 482674	2 × 9	2 × 3333	2 × 9.9	T50B
CT-I 482675	2 × 12	2 × 2500	2 × 13.1	T50B
CT-I 482676	2 × 15	2 × 2000	2 × 16.4	T50B
CT-I 482677	2 × 18	2 × 1667	2 × 19.7	T50B
CT-I 482678	2 × 24	2 × 1250	2 × 26.3	T50B

PHYSICAL CHARACTERISTICS



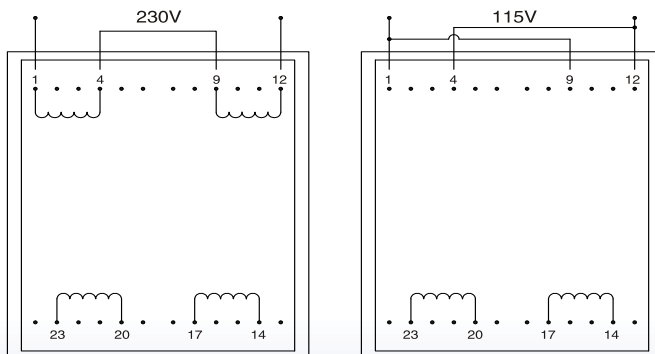
All dimensions in mm

TECHNICAL INFORMATION

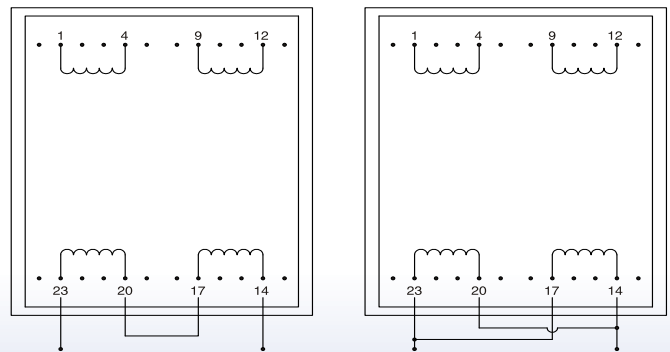
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- 100% tested production
- Conform to EN 61558 Approval under process
- UL 506 approved

CIRCUIT	RATING	A	B	C	WEIGHT(g)
39 × 8	10VA	38.5	13.5	83	285
39 × 10.2	14VA	48.5	14.5	86	335

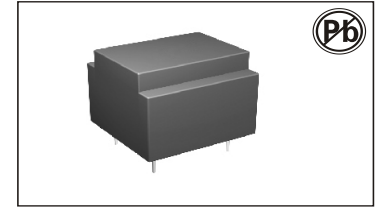
Possible primary connections



Possible secondary connections



50/60HZ PCB MOUNT TRANSFORMERS – EE RANGE 0.35W EE20–10 CT-E20 SERIES



FEATURES:

- It is miniaturised to be easily PCB mounted.
- It has very high insulation of 4000Vrms Hi-pot.
- It accords with UL94V-0 flammability requirements.
- Heat-resistance reaches 130°C

OPTIONS:

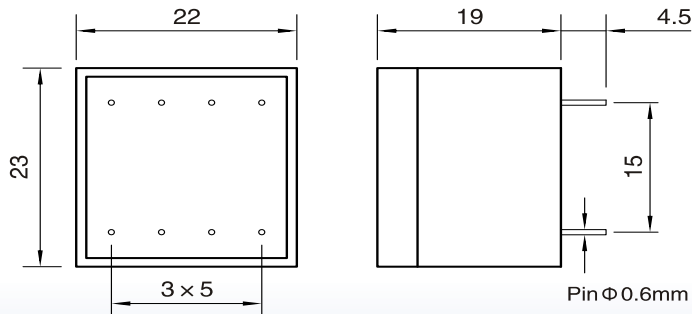
- Packaging unit: 50 pieces
- Bulk packaging is standard
- Custom design available

ELECTRICAL CHARACTERISTICS (@ 25°C)

Part Number	Primary (V)	Secondary (V/mA)	No-load voltage(V)	Fig.	Part Number	Primary (V)	Secondary (V/mA)	No-load voltage(V)	Fig.
CT-E201011	230	6 / 83.0	8.90	1	CT-E201013	115	6 / 83.0	8.90	1
CT-E201012	230	9 / 55.0	13.50	1	CT-E201014	115	9 / 55.0	13.50	1
CT-E201013	230	12 / 42.0	19.40	1	CT-E201015	115	12 / 42.0	19.40	1
CT-E201014	230	15 / 34.0	24.60	1	CT-E201016	115	15 / 34.0	24.60	1
CT-E201015	230	18 / 28.0	29.50	1	CT-E201017	115	18 / 28.0	29.50	1
CT-E201016	230	24 / 21.0	39.60	1	CT-E201018	115	24 / 21.0	39.60	1
CT-E201017	230	2 × 6 / 42.0	2 × 9.60	2	CT-E201019	115	2 × 6 / 42.0	2 × 9.60	2
CT-E201018	230	2 × 9 / 28.0	2 × 15.20	2	CT-E201010	115	2 × 9 / 28.0	2 × 15.20	2
CT-E201019	230	2 × 12 / 21.0	2 × 19.10	2	CT-E201011	115	2 × 12 / 21.0	2 × 19.10	2
CT-E201010	230	2 × 15 / 16.0	2 × 23.30	2	CT-E201012	115	2 × 15 / 16.0	2 × 23.30	2
CT-E201011	230	2 × 18 / 14.0	2 × 29.20	2	CT-E201013	115	2 × 18 / 14.0	2 × 29.20	2
CT-E201012	230	2 × 24 / 10.0	2 × 38.80	2	CT-E201014	115	2 × 24 / 10.0	2 × 38.80	2

- Frequency 50/60Hz
- Split-bobbin
- Short-circuit-proof
- Potted under vacuum
- Temperature class to 70°C/B
- weight: 0.035kg

PHYSICAL CHARACTERISTICS



All dimensions in mm

TECHNICAL INFORMATION

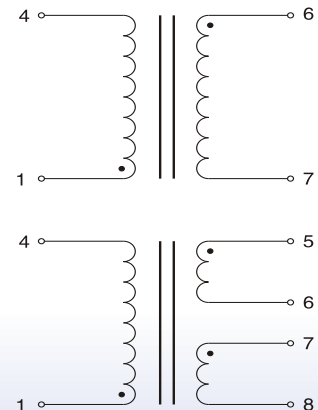
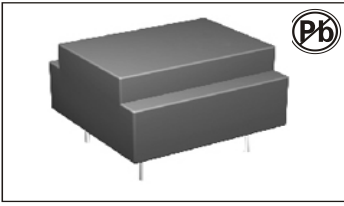


Fig 1

Fig 2



50/60HZ PCB MOUNT TRANSFORMERS – EE RANGE 0.35W EE20-6.1 CT-E20 SERIES

FEATURES:

- It is miniaturised to be easily PCB mounted.
- It has very high insulation of 4000Vrms Hi-pot.
- It accords with UL94V-0 flammability requirements.
- Heat-resistance reaches 130°C

OPTIONS:

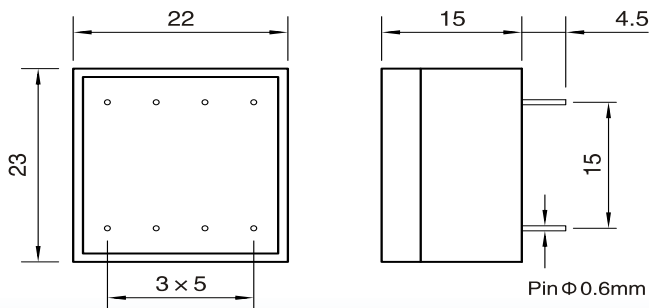
- Packaging unit: 50 pieces
- Bulk packaging is standard
- Custom design available

ELECTRICAL CHARACTERISTICS (@ 25°C)

Part Number	Primary (V)	Secondary (V/mA)	No-load voltage(V)	Fig.	Part Number	Primary (V)	Secondary (V/mA)	No-load voltage(V)	Fig.
CT-E200601	230	6 / 58.0	10.80	1	CT-E200613	115	6 / 58.0	10.80	1
CT-E200602	230	9 / 39.0	16.50	1	CT-E200614	115	9 / 39.0	16.50	1
CT-E200603	230	12 / 29.0	21.90	1	CT-E200615	115	12 / 29.0	21.90	1
CT-E200604	230	15 / 23.0	27.00	1	CT-E200616	115	15 / 23.0	27.00	1
CT-E200605	230	18 / 19.0	31.50	1	CT-E200617	115	18 / 19.0	31.50	1
CT-E200606	230	24 / 14.0	41.70	1	CT-E200618	115	24 / 14.0	41.70	1
CT-E200607	230	2 × 6 / 29.0	2 × 10.95	2	CT-E200619	115	2 × 6 / 29.0	2 × 10.95	2
CT-E200608	230	2 × 9 / 19.0	2 × 15.60	2	CT-E200620	115	2 × 9 / 19.0	2 × 15.60	2
CT-E200609	230	2 × 12 / 14.0	2 × 20.70	2	CT-E200621	115	2 × 12 / 14.0	2 × 20.70	2
CT-E200610	230	2 × 15 / 12.0	2 × 26.00	2	CT-E200622	115	2 × 15 / 12.0	2 × 26.00	2
CT-E200611	230	2 × 18 / 9.5	2 × 31.20	2	CT-E200623	115	2 × 18 / 9.5	2 × 31.20	2
CT-E200612	230	2 × 24 / 7.0	2 × 41.90	2	CT-E200624	115	2 × 24 / 7.0	2 × 41.90	2

- Frequency 50/60Hz
- Potted under vacuum
- Split-bobbin
- Temperature class to 70°C/B
- Short-circuit-proof
- weight: 0.024kg

PHYSICAL CHARACTERISTICS



All dimensions in mm

TECHNICAL INFORMATION

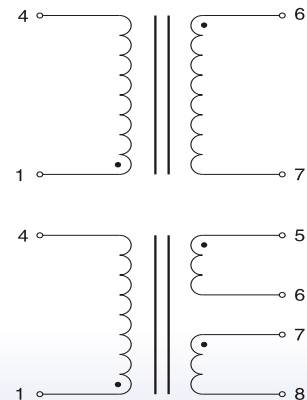
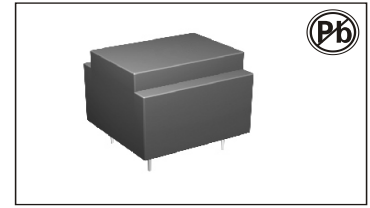


Fig 1

Fig 2

50/60HZ PCB MOUNT TRANSFORMERS – EE RANGE 0.35W EE20-10 CT-E20 SERIES



FEATURES:

- It is miniaturised to be easily PCB mounted.
- It has very high insulation of 4000Vrms Hi-pot.
- It accords with UL94V-0 flammability reqFAUirements.
- Heat-resistance reaches 130°C

OPTIONS:

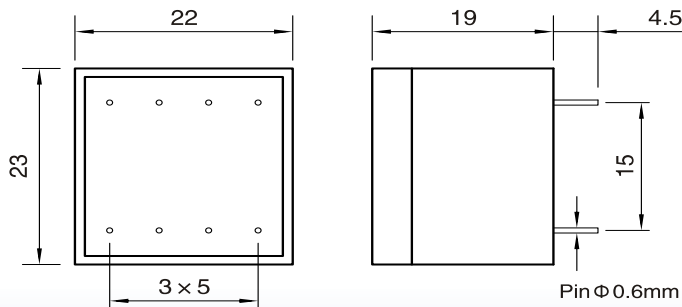
- Packaging unit: 50 pieces
- Bulk packaging is standard
- Custom design available

ELECTRICAL CHARACTERISTICS (@ 25°C)

Part Number	Primary (V)	Secondary (V/mA)	No-load voltage(V)	Fig.	Part Number	Primary (V)	Secondary (V/mA)	No-load voltage(V)	Fig.
CT-E201011	230	6 / 83.0	8.90	1	CT-E201013	115	6 / 83.0	8.90	1
CT-E201012	230	9 / 55.0	13.50	1	CT-E201014	115	9 / 55.0	13.50	1
CT-E201013	230	12 / 42.0	19.40	1	CT-E201015	115	12 / 42.0	19.40	1
CT-E201014	230	15 / 34.0	24.60	1	CT-E201016	115	15 / 34.0	24.60	1
CT-E201015	230	18 / 28.0	29.50	1	CT-E201017	115	18 / 28.0	29.50	1
CT-E201016	230	24 / 21.0	39.60	1	CT-E201018	115	24 / 21.0	39.60	1
CT-E201017	230	2 × 6 / 42.0	2 × 9.60	2	CT-E201019	115	2 × 6 / 42.0	2 × 9.60	2
CT-E201018	230	2 × 9 / 28.0	2 × 15.20	2	CT-E201010	115	2 × 9 / 28.0	2 × 15.20	2
CT-E201019	230	2 × 12 / 21.0	2 × 19.10	2	CT-E201011	115	2 × 12 / 21.0	2 × 19.10	2
CT-E201010	230	2 × 15 / 16.0	2 × 23.30	2	CT-E201012	115	2 × 15 / 16.0	2 × 23.30	2
CT-E201011	230	2 × 18 / 14.0	2 × 29.20	2	CT-E201013	115	2 × 18 / 14.0	2 × 29.20	2
CT-E20102	230	2 × 24 / 10.0	2 × 38.80	2	CT-E201014	115	2 × 24 / 10.0	2 × 38.80	2

- Frequency 50/60Hz
- Split-bobbin
- Short-circFAUit-proof
- Potted under vacuum
- Temperature class to 70°C/B
- weight: 0.035kg

PHYSICAL CHARACTERISTICS



All dimensions in mm

TECHNICAL INFORMATION

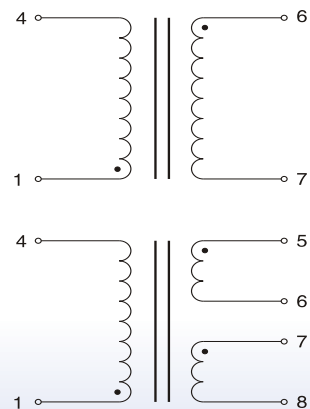
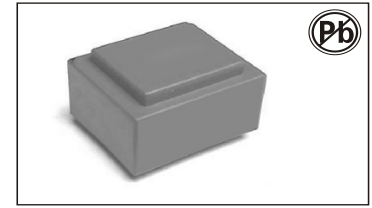


Fig 1

Fig 2

50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE 1W EI 30-10.5-CT-E3010 SERIES



FEATURES:

- Vacuum filling
- Two compartments bobbins
- UL 94 VO
- Degree of protection IP 00
- 70 grams weight

OPTIONS:

- Bulk packaging is standard
- Custom design available

ELECTRICAL CHARACTERISTICS

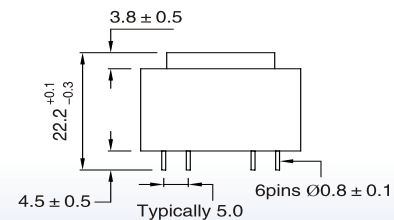
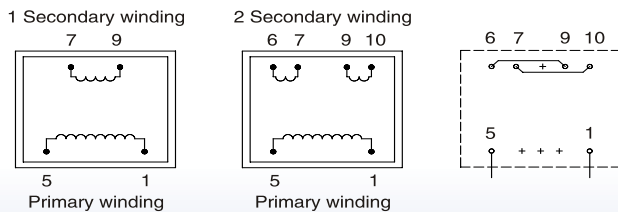
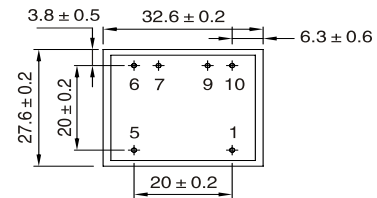
PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA
CT-E301049	6	167	8.6	T70B	1	CT-E301061	6	167	8.6	T70B	1
CT-E301050	9	111	12.9	T70B	1	CT-E301062	9	111	12.9	T70B	1
CT-E301051	12	83	17.2	T70B	1	CT-E301063	12	83	17.2	T70B	1
CT-E301052	15	67	21.6	T70B	1	CT-E301064	15	67	21.6	T70B	1
CT-E301053	18	56	25.9	T70B	1	CT-E301065	18	56	25.9	T70B	1
CT-E301054	24	42	37.9	T70B	1	CT-E301066	24	42	37.9	T70B	1
CT-E301055	2 × 6	2 × 83	2 × 8.6	T70B	1	CT-E301067	2 × 6	2 × 83	2 × 8.6	T70B	1
CT-E301056	2 × 9	2 × 56	2 × 12.9	T70B	1	CT-E301068	2 × 9	2 × 56	2 × 12.9	T70B	1
CT-E301057	2 × 12	2 × 42	2 × 19	T70B	1	CT-E301069	2 × 12	2 × 42	2 × 19	T70B	1
CT-E301058	2 × 15	2 × 33	2 × 23.6	T70B	1	CT-E301070	2 × 15	2 × 33	2 × 23.6	T70B	1
CT-E301059	2 × 18	2 × 28	2 × 24.9	T70B	1	CT-E301071	2 × 18	2 × 28	2 × 24.9	T70B	1
CT-E301060*	2 × 24	2 × 21	2 × 37.9	T70B	1	CT-E301072	2 × 24	2 × 21	2 × 37.9	T70B	1

* To be noted : 2 x 24 V non safety transformer approved, conform to EN 61558–2–6 (Isolating transformer).

TECHNICAL INFORMATION

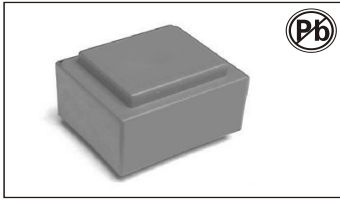
- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Inherently short-circuits proof transformer
- 30 V and 36 V models are VDE EN 61558–2–6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request

PHYSICAL CHARACTERISTICS



All dimensions in mm

Recommended Drill-hole Diameter for 1.3mm pins



50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE 1.5W EI 30-12.5-CT-E3012 SERIES

FEATURES:

- Vacuum filling
- Two compartments bobbins
- UL 94 VO
- Degree of protection IP 00
- 80 grams weight

OPTIONS:

- Bulk packaging is standard
- Custom design available

ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA
CT-E301285	6	250	9.7	T70B	1.5	CT-E301297	6	250	9.7	T70B	1.5
CT-E301286	9	167	14.5	T70B	1.5	CT-E301298	9	167	14.5	T70B	1.5
CT-E301287	12	125	19.3	T70B	1.5	CT-E301299	12	125	19.3	T70B	1.5
CT-E301288	15	100	24.2	T70B	1.5	CT-E3012100	15	100	24.2	T70B	1.5
CT-E301289	18	83	29.8	T70B	1.5	CT-E3012101	18	83	29.8	T70B	1.5
CT-E301290	24	63	38.6	T70B	1.5	CT-E3012102	24	63	38.6	T70B	1.5
CT-E301291	2 × 6	2 × 125	2 × 9.7	T70B	1.5	CT-E3012103	2 × 6	2 × 125	2 × 9.7	T70B	1.5
CT-E301292	2 × 9	2 × 83	2 × 15	T70B	1.5	CT-E3012104	2 × 9	2 × 83	2 × 15	T70B	1.5
CT-E301294	2 × 12	2 × 63	2 × 19.3	T70B	1.5	CT-E3012105	2 × 12	2 × 63	2 × 19.3	T70B	1.5
CT-E301293	2 × 15	2 × 50	2 × 24.2	T70B	1.5	CT-E3012106	2 × 15	2 × 50	2 × 24.2	T70B	1.5
CT-E301295*	2 × 18	2 × 42	2 × 29	T70B	1.5	CT-E3012107	2 × 18	2 × 42	2 × 29	T70B	1.5
CT-E301296*	2 × 24	2 × 31	2 × 38.6	T70B	1.5	CT-E3012108	2 × 24	2 × 31	2 × 38.6	T70B	1.5

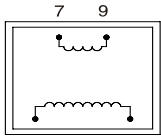
* To be noted : 2 x 18 V and 2 x 24 non safety transformer approved, conform to EN 61558-2-6 (Isolating transformer).

TECHNICAL INFORMATION

- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Inherently short-circuits proof transformer
- 30 V model is VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request

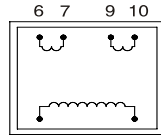
PHYSICAL CHARACTERISTICS

1 Secondary winding

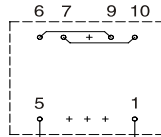


Primary winding

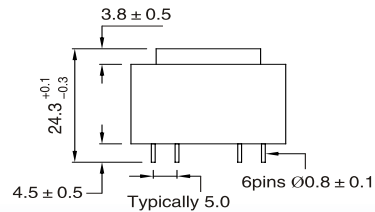
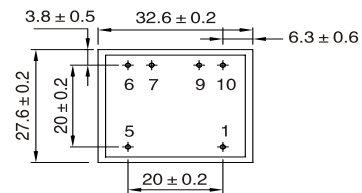
2 Secondary winding



Primary winding

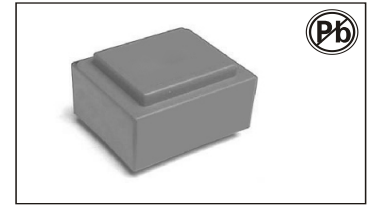


All dimensions in mm



Recommended Drill-hole Diameter for 1.3mm pins

50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE 2W EI 30-15.5-CT-E3015 SERIES



FEATURES:

- Vacuum filling
- Two compartments bobbins
- UL 94 VO
- Degree of protection IP 00
- 100 grams weight

OPTIONS:

- Bulk packaging is standard
- Custom design available

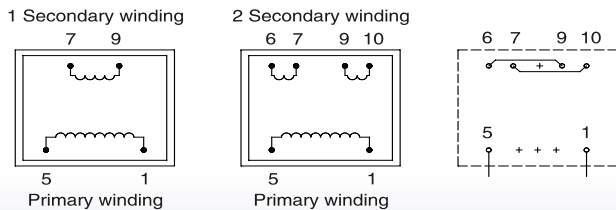
ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA
CT-E301521	6	333	10.4	T70B	2	CT-E301533	6	333	10.4	T70B	2
CT-E301522	9	222	15.5	T70B	2	CT-E301534	9	222	15.5	T70B	2
CT-E301523	12	167	20.7	T70B	2	CT-E301535	12	167	20.7	T70B	2
CT-E301524	15	133	25.8	T70B	2	CT-E301536	15	133	25.8	T70B	2
CT-E301525	18	111	30.8	T70B	2	CT-E301537	18	111	30.8	T70B	2
CT-E301526	24	83	41.4	T70B	2	CT-E301538	24	83	41.4	T70B	2
CT-E301527	2 × 6	2 × 167	2 × 10.4	T70B	2	CT-E301539	2 × 6	2 × 167	2 × 10.4	T70B	2
CT-E301528	2 × 9	2 × 111	2 × 15.4	T70B	2	CT-E301540	2 × 9	2 × 111	2 × 15.4	T70B	2
CT-E301529	2 × 12	2 × 83	2 × 20.7	T70B	2	CT-E301541	2 × 12	2 × 83	2 × 20.7	T70B	2
CT-E301530	2 × 15	2 × 67	2 × 25.8	T70B	2	CT-E301542	2 × 15	2 × 67	2 × 25.8	T70B	2
CT-E301531*	2 × 18	2 × 56	2 × 30.8	T70B	2	CT-E301543	2 × 18	2 × 56	2 × 30.8	T70B	2
CT-E301532	2 × 24	2 × 42	2 × 41.4	T70B	2	CT-E301544	2 × 24	2 × 42	2 × 41.4	T70B	2

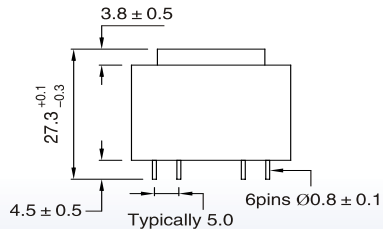
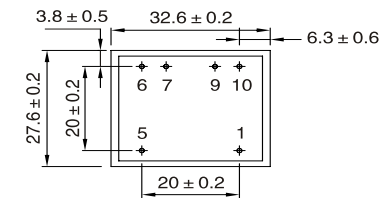
* To be noted : 2 x 18 V and 2 x 24 non safety transformer approved, conform to EN 61558-2-6 (Isolating transformer).

TECHNICAL INFORMATION

- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Inherently short-circuits proof transformer
- 30 V model is VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request

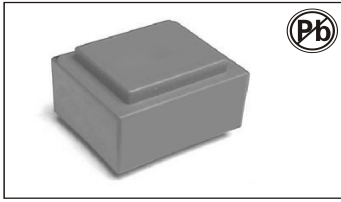


PHYSICAL CHARACTERISTICS



All dimensions in mm

Recommended Drill-hole Diameter for 1.3mm pins



50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE 2.3W EI 30-18-CT-E3018 SERIES

FEATURES:

- Vacuum filling
- Two compartments bobbins
- UL 94 VO
- Degree of protection IP 00
- 80 grams weight

OPTIONS:

- Bulk packaging is standard
- Custom design available

ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA
CT-E301857	6	383	10.5	T70B	2.3	CT-E301869	6	383	10.5	T70B	2.3
CT-E301858	9	256	15.7	T70B	2.3	CT-E301870	9	256	15.7	T70B	2.3
CT-E301859	12	192	21	T70B	2.3	CT-E301871	12	192	21	T70B	2.3
CT-E301860	15	153	25.9	T70B	2.3	CT-E301872	15	153	25.9	T70B	2.3
CT-E301861	18	128	31.4	T70B	2.3	CT-E301873	18	128	31.4	T70B	2.3
CT-E301862	24	96	41.9	T70B	2.3	CT-E301874	24	96	41.9	T70B	2.3
CT-E301863	2 × 6	2 × 192	2 × 10.5	T70B	2.3	CT-E301875	2 × 6	2 × 192	2 × 10.5	T70B	2.3
CT-E301864	2 × 9	2 × 128	2 × 15.7	T70B	2.3	CT-E301876	2 × 9	2 × 128	2 × 15.7	T70B	2.3
CT-E301865	2 × 12	2 × 96	2 × 21	T70B	2.3	CT-E301877	2 × 12	2 × 96	2 × 21	T70B	2.3
CT-E301866	2 × 15	2 × 77	2 × 25.9	T70B	2.3	CT-E301878	2 × 15	2 × 77	2 × 25.9	T70B	2.3
CT-E301867*	2 × 18	2 × 64	2 × 31.4	T70B	2.3	CT-E301879	2 × 18	2 × 64	2 × 31.4	T70B	2.3
CT-E301868*	2 × 24	2 × 48	2 × 41.9	T70B	2.3	CT-E301880	2 × 24	2 × 48	2 × 41.9	T70B	2.3

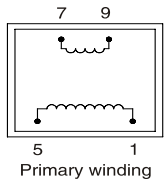
*To be noted : 2 x 18 V and 2 x 24 non safety transformer approved, conform to EN 61558-2-6 (Isolating transformer).

TECHNICAL INFORMATION

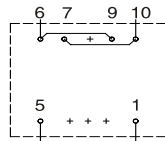
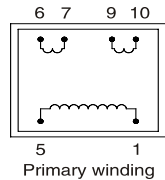
- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Inherently short-circuits proof transformer
- 30 V model is VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request

PHYSICAL CHARACTERISTICS

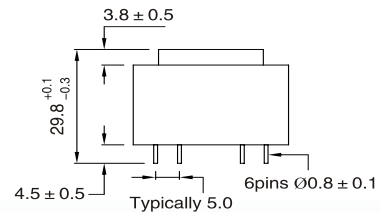
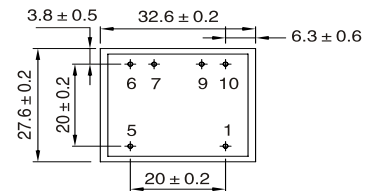
1 Secondary winding



2 Secondary winding

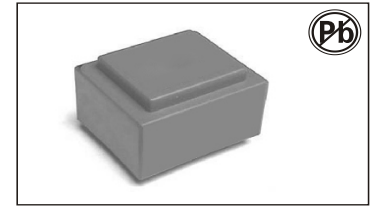


All dimensions in mm



Recommended Drill-hole Diameter for 1.3mm pins

50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE 3.2W EI 38-13.6-CT-E3813 SERIES



FEATURES:

- Vacuum filling
- Two compartments bobbins
- UL 94 VO
- Degree of protection IP 00
- 150 grams weight

OPTIONS:

- Bulk packaging is standard
- Custom design available

ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA
CT-E381393	6	533	8	T70B	3.2	CT-E381305	6	533	8	T70B	3.2
CT-E381394	9	356	12	T70B	3.2	CT-E381306	9	356	12	T70B	3.2
CT-E381395	12	267	16	T70B	3.2	CT-E381307	12	267	16	T70B	3.2
CT-E381396	15	213	20	T70B	3.2	CT-E381308	15	213	20	T70B	3.2
CT-E381397	18	178	24.1	T70B	3.2	CT-E381309	18	178	24.1	T70B	3.2
CT-E381398	24	133	32.1	T70B	3.2	CT-E381310	24	133	32.1	T70B	3.2
CT-E381399	2 × 6	2 × 267	2 × 8	T70B	3.2	CT-E381311	2 × 6	2 × 267	2 × 8	T70B	3.2
CT-E381300	2 × 9	2 × 178	2 × 12	T70B	3.2	CT-E381312	2 × 9	2 × 178	2 × 12	T70B	3.2
CT-E381301	2 × 12	2 × 133	2 × 16	T70B	3.2	CT-E381313	2 × 12	2 × 133	2 × 16	T70B	3.2
CT-E381302	2 × 15	2 × 107	2 × 20	T70B	3.2	CT-E381314	2 × 15	2 × 107	2 × 20	T70B	3.2
CT-E381303	2 × 18	2 × 89	2 × 24	T70B	3.2	CT-E381315	2 × 18	2 × 89	2 × 24	T70B	3.2
CT-E381304*	2 × 24	2 × 67	2 × 32.1	T70B	3.2	CT-E381314	2 × 24	2 × 67	2 × 32.1	T70B	3.2

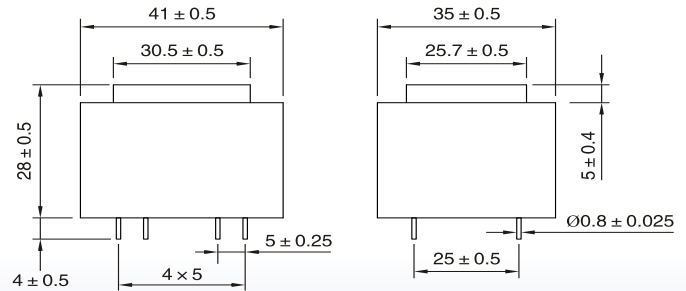
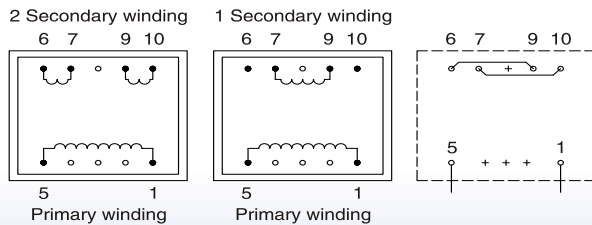
* To be noted : 2 x 24 V non safety transformer approved, conform to EN 61558-2-6 (isolating transformer).

TECHNICAL INFORMATION

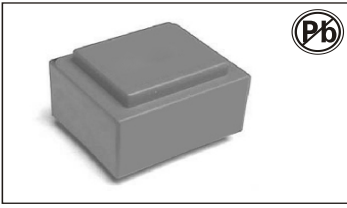
- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on secondary side (see diagram) to be assumed by customer
- 30 V and 36 V models are VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request

PHYSICAL CHARACTERISTICS

All dimensions in mm



Recommended Drill-hole Diameter for 1.3mm pins



50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

5W EI 42-14.8-CT-E4214 SERIES

FEATURES:

- Vacuum filling
- Two compartments bobbins
- UL 94 VO
- Degree of protection IP 00
- 200 grams weight

OPTIONS:

- Bulk packaging is standard
- Custom design available

ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C	Rating VA
CT-E421429	6	833	8.4	T50B	5	CT-E421441	6	833	8.4	T50B	5
CT-E421430	9	556	12.6	T50B	5	CT-E421442	9	556	12.6	T50B	5
CT-E421431	12	417	16.9	T50B	5	CT-E421443	12	417	16.9	T50B	5
CT-E421432	15	333	21	T50B	5	CT-E421444	15	333	21	T50B	5
CT-E421433	18	278	25.3	T50B	5	CT-E421445	18	278	25.3	T50B	5
CT-E421434	24	208	33.7	T50B	5	CT-E421446	24	208	33.7	T50B	5
CT-E421435	2 x 6	2 x 417	2 x 8.4	T50B	5	CT-E421447	2 x 6	2 x 417	2 x 8.4	T50B	5
CT-E421435	2 x 9	2 x 278	2 x 12.6	T50B	5	CT-E421448	2 x 9	2 x 278	2 x 12.6	T50B	5
CT-E421436	2 x 12	2 x 208	2 x 16.9	T50B	5	CT-E421449	2 x 12	2 x 208	2 x 16.9	T50B	5
CT-E421437	2 x 15	2 x 167	2 x 21	T50B	5	CT-E421450	2 x 15	2 x 167	2 x 21	T50B	5
CT-E421438	2 x 18	2 x 139	2 x 25.3	T50B	5	CT-E421451	2 x 18	2 x 139	2 x 25.3	T50B	5
CT-E421440*	2 x 24	2 x 104	2 x 33.7	T50B	5	CT-E421452	2 x 24	2 x 104	2 x 33.7	T50B	5

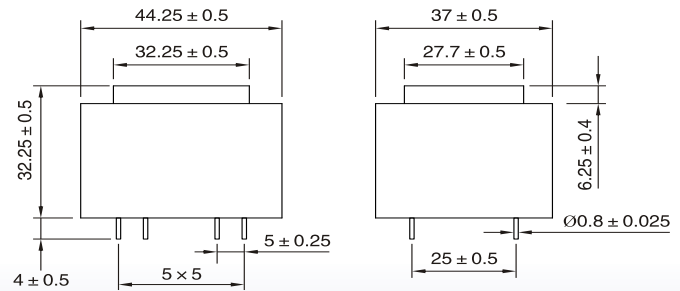
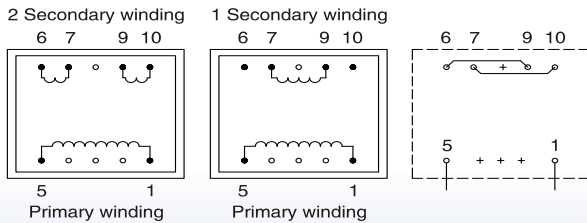
* To be noted : 2 x 24 V non safety transformer approved, conform to EN 61558-2-6 (Isolating transformer).

TECHNICAL INFORMATION

- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on secondary side (see diagram) to be assumed by customer
- 30 V and 36 V models are VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request

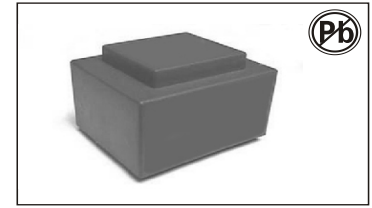
PHYSICAL CHARACTERISTICS

All dimensions in mm



Recommended Drill-hole Diameter for 1.3mm pins

50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE 10W EI 48-16.8-CT-E4816 SERIES



FEATURES:

- Vacuum filling
- Two compartments bobbins
- UL 94 VO
- Degree of protection IP 00
- 300 grams weight

OPTIONS:

- Bulk packaging is standard
- Custom design available

ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA
CT-E481665	6	1667	7.2	T50B	10	CT-E481677	6	1667	7.2	T50B	10
CT-E481666	9	1111	10.8	T50B	10	CT-E481678	9	1111	10.8	T50B	10
CT-E481667	12	833	14.4	T50B	10	CT-E481679	12	833	14.4	T50B	10
CT-E481669	15	667	18.1	T50B	10	CT-E481680	15	667	18.1	T50B	10
CT-E481668	18	556	21.6	T50B	10	CT-E481681	18	556	21.6	T50B	10
CT-E481670	24	417	28.9	T50B	10	CT-E481682	24	417	28.9	T50B	10
CT-E481671	2 × 6	2 × 833	2 × 7.2	T50B	10	CT-E481683	2 × 6	2 × 833	2 × 7.2	T50B	10
CT-E481672	2 × 9	2 × 556	2 × 10.8	T50B	10	CT-E481684	2 × 9	2 × 556	2 × 10.8	T50B	10
CT-E481673	2 × 12	2 × 417	2 × 14.4	T50B	10	CT-E481685	2 × 12	2 × 417	2 × 14.4	T50B	10
CT-E481674	2 × 15	2 × 333	2 × 18.1	T50B	10	CT-E481686	2 × 15	2 × 333	2 × 18.1	T50B	10
CT-E481675	2 × 18	2 × 278	2 × 21.6	T50B	10	CT-E481687	2 × 18	2 × 278	2 × 21.6	T50B	10
CT-E481676*	2 × 24	2 × 208	2 × 28.9	T50B	10	CT-E481688	2 × 24	2 × 208	2 × 28.9	T50B	10

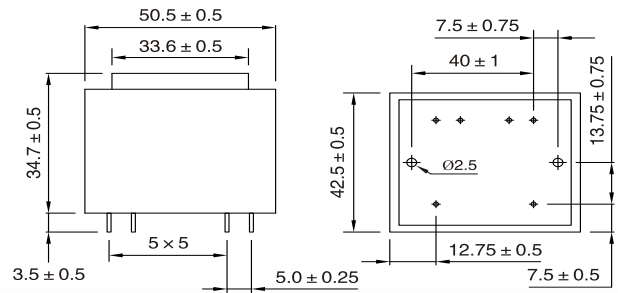
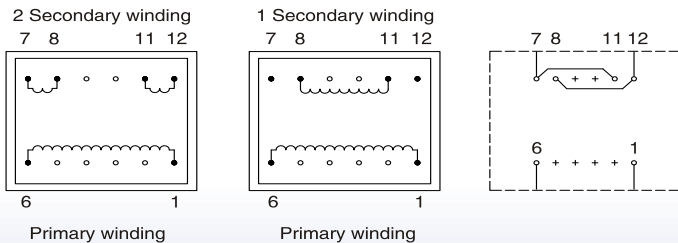
* To be noted : marked transformers are non-approved. Protection transformers according to EN 60742 circFAUlt isolation transformer.

TECHNICAL INFORMATION

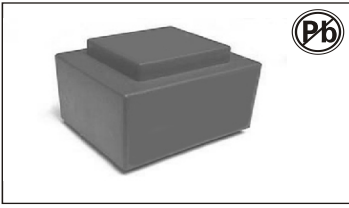
- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on primary side (see diagram) to be assumed by customer
- 30 V and 36 V models are VDE EN 60742 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request

PHYSICAL CHARACTERISTICS

All dimensions in mm



Recommended Drill-hole Diameter for 1.3mm pins
Recommended Drill-hole Diameter for Mountings=4mm



50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

16W EI 54-18.8-CT-E5418 SERIES

FEATURES:

- Vacuum filling
- Two compartments bobbins
- UL 94 VO
- Degree of protection IP 00
- 400 grams weight

OPTIONS:

- Bulk packaging is standard
- Custom design available

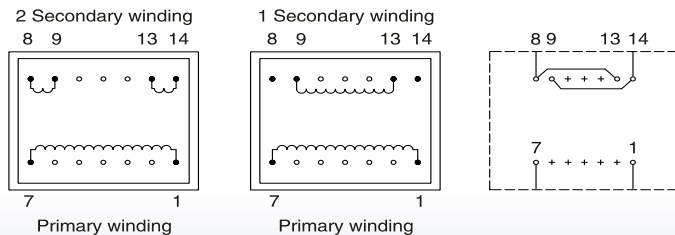
ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C	Rating VA
CT-E541801	6	2667	7.4	T50B	16	CT-E541813	6	2667	7.4	T50B	16
CT-E541802	9	1778	11.1	T50B	16	CT-E541814	9	1778	11.1	T50B	16
CT-E541803	12	1333	14.7	T50B	16	CT-E541815	12	1333	14.7	T50B	16
CT-E541804	15	1067	18.4	T50B	16	CT-E541816	15	1067	18.4	T50B	16
CT-E541805	18	889	22.1	T50B	16	CT-E541817	18	889	22.1	T50B	16
CT-E541806	24	667	29.3	T50B	16	CT-E541818	24	667	29.3	T50B	16
CT-E541807	2 × 6	2 × 1333	2 × 7.4	T50B	16	CT-E541819	2 × 6	2 × 1333	2 × 7.4	T50B	16
CT-E541808	2 × 9	2 × 889	2 × 11.1	T50B	16	CT-E541820	2 × 9	2 × 889	2 × 11.1	T50B	16
CT-E541809	2 × 12	2 × 667	2 × 14.7	T50B	16	CT-E541821	2 × 12	2 × 667	2 × 14.7	T50B	16
CT-E541810	2 × 15	2 × 533	2 × 18.4	T50B	16	CT-E541822	2 × 15	2 × 533	2 × 18.4	T50B	16
CT-E541811	2 × 18	2 × 444	2 × 22	T50B	16	CT-E541823	2 × 18	2 × 444	2 × 22	T50B	16
CT-E541812*	2 × 24	2 × 333	2 × 29.3	T50B	16	CT-E541824	2 × 24	2 × 333	2 × 29.3	T50B	16

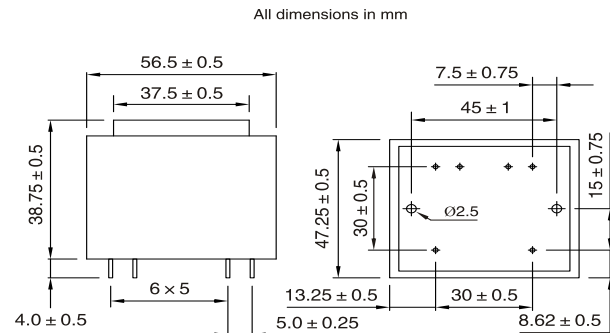
* To be noted : 2 x 24 V non safety transformer approved, conform to EN 61558–2–6 (Isolating transformer).

TECHNICAL INFORMATION

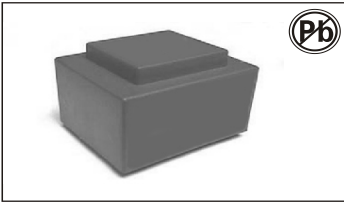
- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on secondary side (see diagram) to be assumed by customer
- 30 V and 36 V models are VDE EN 61558–2–6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request



PHYSICAL CHARACTERISTICS



Recommended Drill-hole Diameter for 1.3mm pins
Recommended Drill-hole Diameter for Mountings=4mm



50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE 30W EI 66-23-CT-E6623 SERIES

FEATURES:

- Vacuum filling
- Two compartments bobbins
- UL 94 VO
- Degree of protection IP 00
- 700 grams weight

OPTIONS:

- Bulk packaging is standard
- Custom design available

ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA
CT-E662373	6	5000	6.9	T50B	30	CT-E662385	6	5000	6.9	T50B	30
CT-E662374	9	333	10.3	T50B	30	CT-E662386	9	333	10.3	T50B	30
CT-E662375	12	2500	13.8	T50B	30	CT-E662387	12	2500	13.8	T50B	30
CT-E662376	15	2000	17.2	T50B	30	CT-E662388	15	2000	17.2	T50B	30
CT-E662377	18	1667	20.8	T50B	30	CT-E662389	18	1667	20.8	T50B	30
CT-E662378	24	1250	27.7	T50B	30	CT-E662390	24	1250	27.7	T50B	30
CT-E662379	2 × 6	2 × 2500	2 × 6.9	T50B	30	CT-E662391	2 × 6	2 × 2500	2 × 6.9	T50B	30
CT-E662380	2 × 9	2 × 1667	2 × 10.3	T50B	30	CT-E662392	2 × 9	2 × 1667	2 × 10.3	T50B	30
CT-E662381	2 × 12	2 × 1250	2 × 13.8	T50B	30	CT-E662393	2 × 12	2 × 1250	2 × 13.8	T50B	30
CT-E662382	2 × 15	2 × 1000	2 × 17.2	T50B	30	CT-E662394	2 × 15	2 × 1000	2 × 17.2	T50B	30
CT-E662383	2 × 18	2 × 833	2 × 20.8	T50B	30	CT-E662395	2 × 18	2 × 833	2 × 20.8	T50B	30
CT-E662384*	2 × 24	2 × 625	2 × 27.7	T50B	30	CT-E662396	2 × 24	2 × 625	2 × 27.7	T50B	30

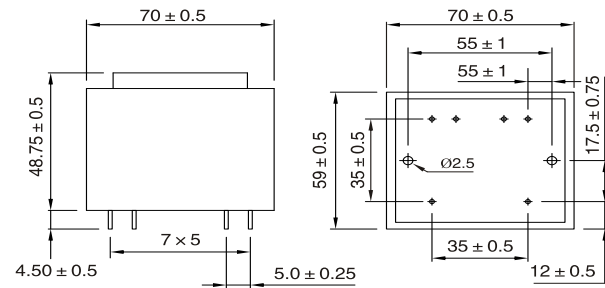
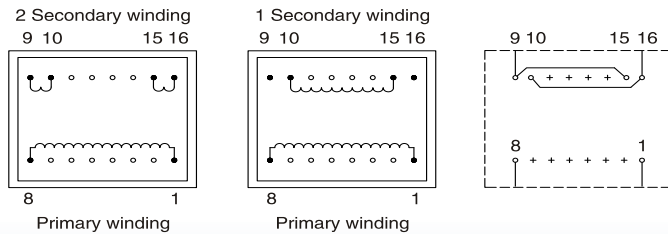
* To be noted : 2 x 24 V non safety transformer approved, conform to EN 61558-2-6 (Isolating transformer).

TECHNICAL INFORMATION

- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on primary side (see diagram) to be assumed by customer
- 30 V and 36 V models are VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request

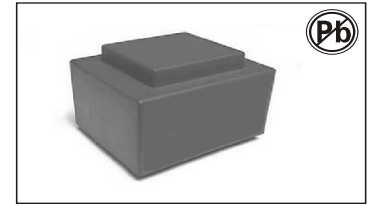
PHYSICAL CHARACTERISTICS

All dimensions in mm



Recommended Drill-hole Diameter for 1.3mm pins
Recommended Drill-hole Diameter for Mountings=4mm

50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE 22W EI 60-21-CT-E6021 SERIES



FEATURES:

- Vacuum filling
- Two compartments bobbins
- UL 94 VO
- Degree of protection IP 00
- 550 grams weight

OPTIONS:

- Bulk packaging is standard
- Custom design available

ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA
CT-E602132	6	3667	6.8	T50B	22	CT-E602144	6	3667	6.8	T50B	22
CT-E602133	9	2444	10.3	T50B	22	CT-E602145	9	2444	10.3	T50B	22
CT-E602134	12	1833	13.7	T50B	22	CT-E602146	12	1833	13.7	T50B	22
CT-E602135	15	1467	17.1	T50B	22	CT-E602147	15	1467	17.1	T50B	22
CT-E602136	18	1222	20.5	T50B	22	CT-E602148	18	1222	20.5	T50B	22
CT-E602137	24	917	27.3	T50B	22	CT-E602149	24	917	27.3	T50B	22
CT-E602138	2 × 6	2 × 1833	2 × 6.8	T50B	22	CT-E602150	2 × 6	2 × 1833	2 × 6.8	T50B	22
CT-E602139	2 × 9	2 × 1222	2 × 10.3	T50B	22	CT-E602151	2 × 9	2 × 1222	2 × 10.3	T50B	22
CT-E602140	2 × 12	2 × 917	2 × 13.7	T50B	22	CT-E602152	2 × 12	2 × 917	2 × 13.7	T50B	22
CT-E602141	2 × 15	2 × 733	2 × 17.1	T50B	22	CT-E602153	2 × 15	2 × 733	2 × 17.1	T50B	22
CT-E602142	2 × 18	2 × 611	2 × 20.5	T50B	22	CT-E602154	2 × 18	2 × 611	2 × 20.5	T50B	22
CT-E602143*	2 × 24	2 × 458	2 × 27.3	T50B	22	CT-E602155	2 × 24	2 × 458	2 × 27.3	T50B	22

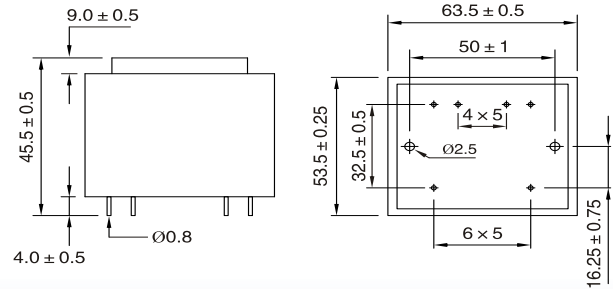
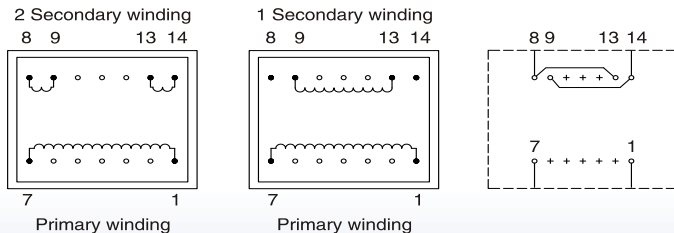
* To be noted : 2 x 24 V non safety transformer approved, conform to EN 61558–2–6 (Isolating transformer).

TECHNICAL INFORMATION

- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on primary side (see diagram) to be assumed by customer
- 30 V and 36 V models are VDE EN 61558–2–6 certified (production on request)
- Insulation voltage 4 KV (6 KV MYRRA test)
- 100% tested production
- Certification : CCA procedure on request

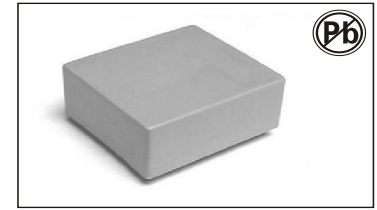
PHYSICAL CHARACTERISTICS

All dimensions in mm



Recommended Drill-hole Diameter for 1.3mm pins
Recommended Drill-hole Diameter for Mountings=4mm

50/60HZ PCB MOUNT TRANSFORMERS 1W CT-I 21 SERIES



FEATURES:

- 115V–230V supply voltage by serie/parallel connection
- Vacuum filling
- One compartment housing
- Degree of protection IP 00
- 50 grams weight

OPTIONS:

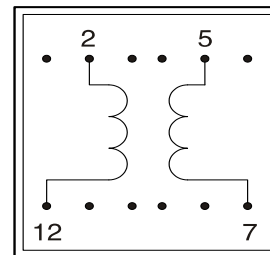
- Bulk packaging is standard
- Custom design available

ELECTRICAL CHARACTERISTICS

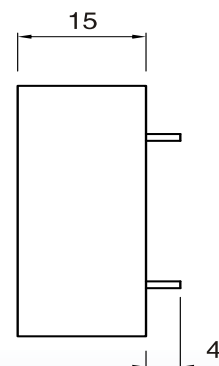
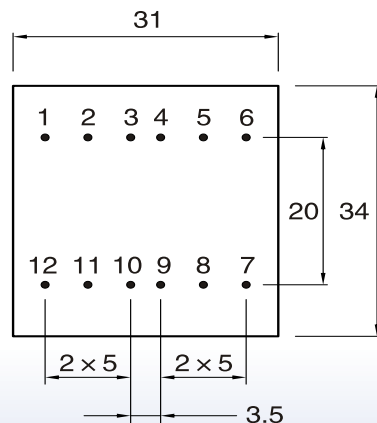
PRIMARY VOLTAGE: 230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
CT-I 2101	6	167	11.4	T70B
CT-I 2102	9	111	17	T70B
CT-I 2103	12	83	22.8	T70B
CT-I 2104	15	67	28.5	T70B
CT-I 2105	18	56	34.2	T70B
CT-I 2106	24	42	45.6	T70B

TECHNICAL INFORMATION

- Resin UL 94 VO
- Design protection against short-circuits
- Insulation voltage 4 KV
- 100% tested production

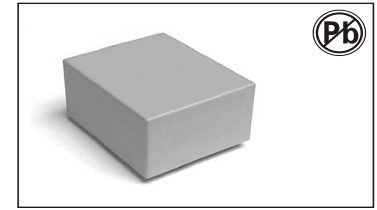


PHYSICAL CHARACTERISTICS



All dimensions in mm

50/60HZ PCB MOUNT TRANSFORMERS 4W 30 x 5.5- CT-I 3005 SERIES



FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

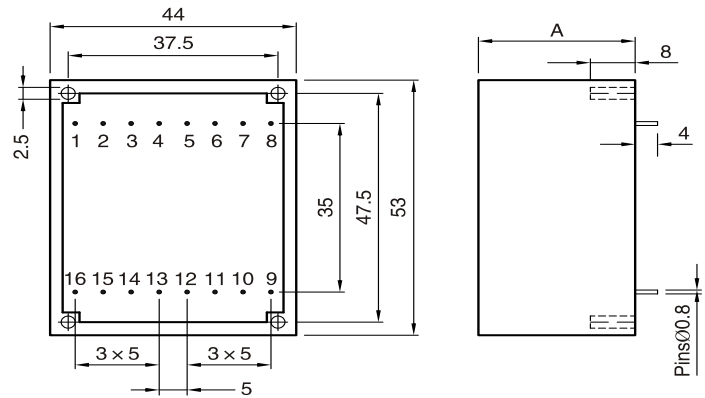
OPTIONS:

- Bulk packaging is standard
- Custom design available

ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115-230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
CT-I 300519	2 x 6	2 x 333	2 x 9.4	T70B
CT-I 300520	2 x 9	2 x 222	2 x 14.0	T70B
CT-I 300521	2 x 12	2 x 167	2 x 18.6	T70B
CT-I 300522	2 x 15	2 x 133	2 x 23.3	T70B
CT-I 300523	2 x 18	2 x 111	2 x 28.0	T70B
CT-I 300524	2 x 24	2 x 83	2 x 37.4	T70B

PHYSICAL CHARACTERISTICS



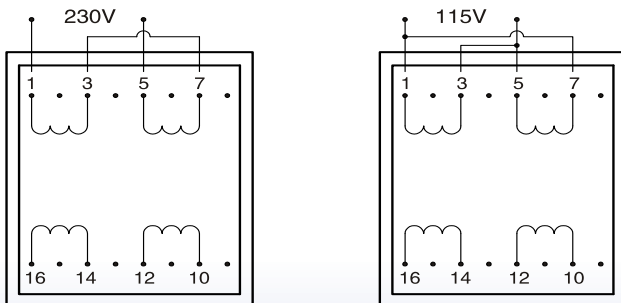
All dimensions in mm

TECHNICAL INFORMATION

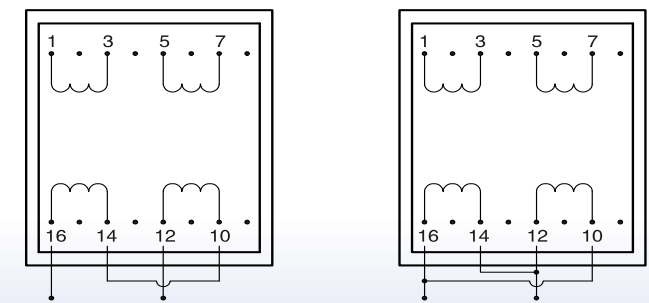
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV
- 100% tested production
- Conform to EN 61558 Approval under process

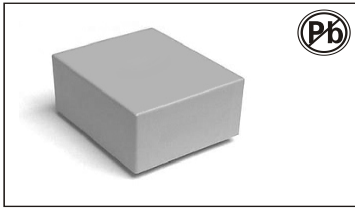
CIRC	RATING	DIMENSION:A	WEIGHT(g)
30 x 5.5	2VA/3VA	A=17mm	125
30 x 7.5	4VA	A=19mm	150
30 x 10.5	6VA	A=22mm	185
30 x 16.5	10VA	A=28mm	260

Possible primary connections



Possible secondary connections





50/60HZ PCB MOUNT TRANSFORMERS 3W 30 × 5.5-CT-I 3005 SERIES

FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

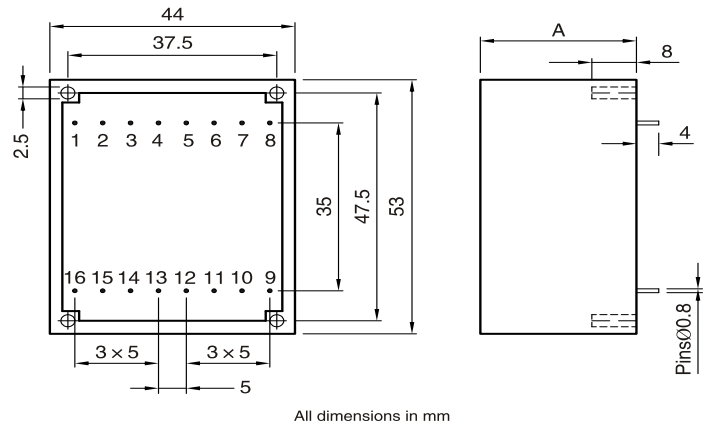
OPTIONS:

- Bulk packaging is standard
- Custom design available

ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115-230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
CT-I 300513	2 × 6	2 × 250	2 × 9.8	T70B
CT-I 300514	2 × 9	2 × 167	2 × 14.7	T70B
CT-I 300515	2 × 12	2 × 125	2 × 19.6	T70B
CT-I 300516	2 × 15	2 × 100	2 × 24.5	T70B
CT-I 300517	2 × 18	2 × 83	2 × 29.5	T70B
CT-I 300518	2 × 24	2 × 63	2 × 39.3	T70B

PHYSICAL CHARACTERISTICS

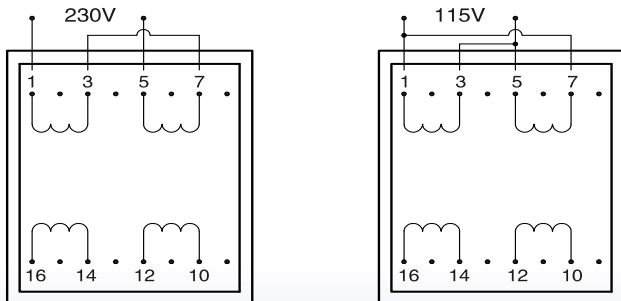


TECHNICAL INFORMATION

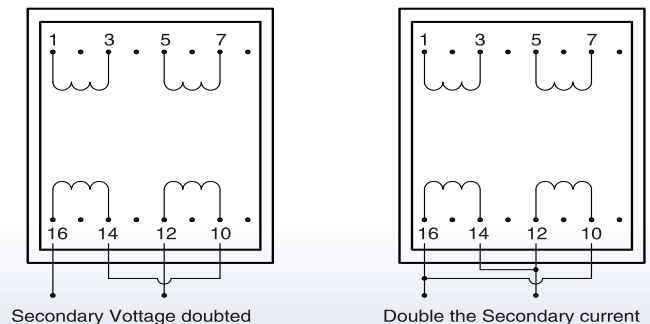
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV
- 100% tested production
- Conform to EN 61558 Approval under process

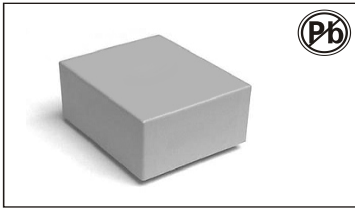
CIRC	RATING	DIMENSION:A	WEIGHT(g)
30 × 5.5	2VA/3VA	A=17mm	125
30 × 7.5	4VA	A=19mm	150
30 × 10.5	6VA	A=22mm	185
30 × 16.5	10VA	A=28mm	260

Possible primary connections



Possible secondary connections





50/60HZ PCB MOUNT TRANSFORMERS 6W 30 x 10.5-CT-I 3010 SERIES

FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

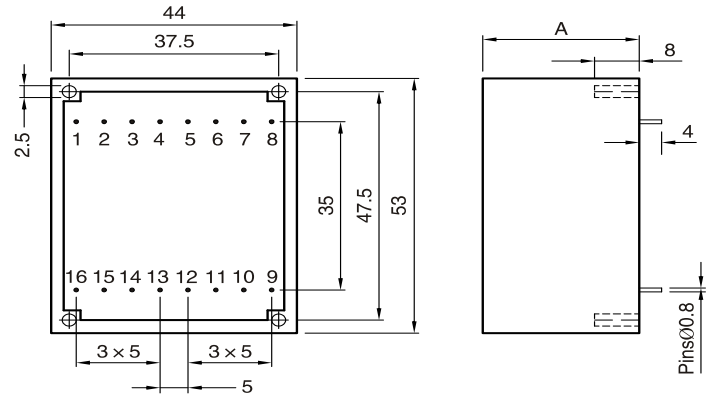
OPTIONS:

- Bulk packaging is standard
- Custom design available

ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115~230				
Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C
CT-I 301025	2 x 6	2 x 500	2 x 8.1	T70B
CT-I 301026	2 x 9	2 x 333	2 x 12.1	T70B
CT-I 301027	2 x 12	2 x 250	2 x 16.2	T70B
CT-I 301028	2 x 15	2 x 200	2 x 20.2	T70B
CT-I 301029	2 x 18	2 x 167	2 x 24.3	T70B
CT-I 301030	2 x 24	2 x 125	2 x 32.3	T70B

PHYSICAL CHARACTERISTICS



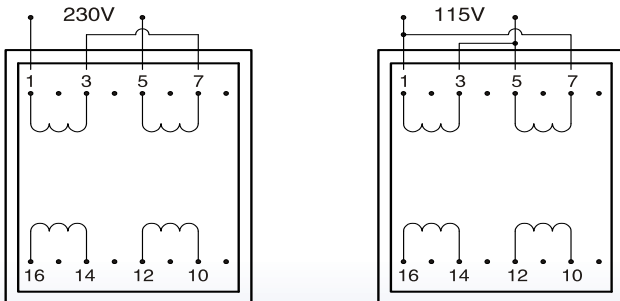
All dimensions in mm

TECHNICAL INFORMATION

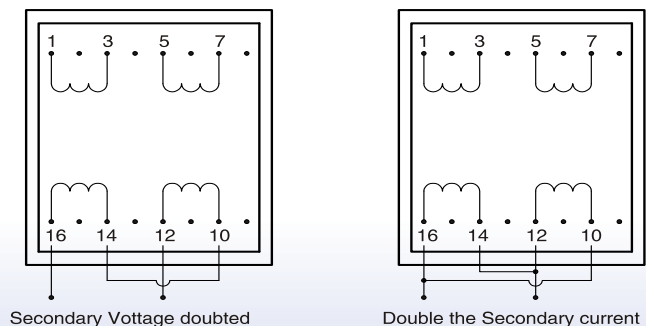
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV
- 100% tested production
- Conform to EN 61558 Approval under process

CIRC	RATING	DIMENSION:A	WEIGHT(g)
30 x 5.5	2VA/3VA	A=17mm	125
30 x 7.5	4VA	A=19mm	150
30 x 10.5	6VA	A=22mm	185
30 x 16.5	10VA	A=28mm	260

Possible primary connections

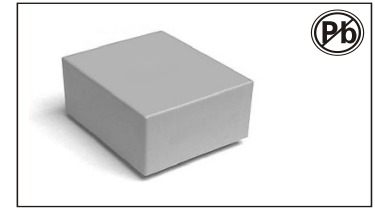


Possible secondary connections



50/60HZ PCB MOUNT TRANSFORMERS

10W 30 × 16.5-CT-I 3016 SERIES



FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

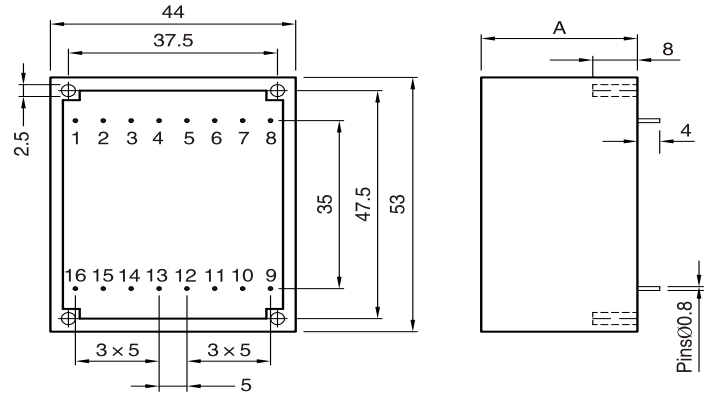
OPTIONS:

- Bulk packaging is standard
- Custom design available

ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115~230				
Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C
CT-I 301631	2 × 6	2 × 833	2 × 7.9	T50B
CT-I 301632	2 × 9	2 × 556	2 × 11.9	T50B
CT-I 301633	2 × 12	2 × 417	2 × 15.9	T50B
CT-I 301634	2 × 15	2 × 333	2 × 19.8	T50B
CT-I 301635	2 × 18	2 × 278	2 × 23.7	T50B
CT-I 301636	2 × 24	2 × 208	2 × 31.7	T50B

PHYSICAL CHARACTERISTICS



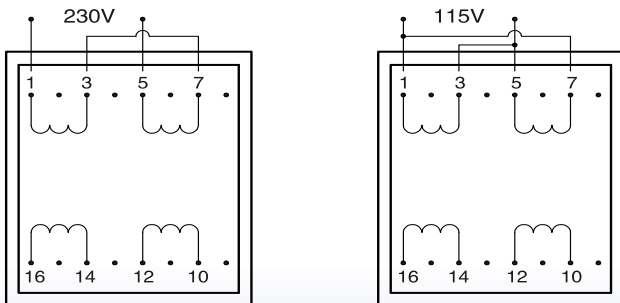
All dimensions in mm

TECHNICAL INFORMATION

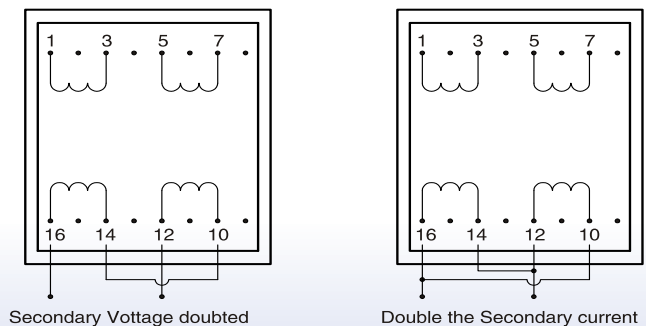
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV
- 100% tested production
- Conform to EN 61558 Approval under process

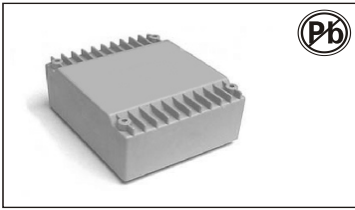
CIRC	RATING	DIMENSION:A	WEIGHT(g)
30 × 5.5	2VA/3VA	A=17mm	125
30 × 7.5	4VA	A=19mm	150
30 × 10.5	6VA	A=22mm	185
30 × 16.5	10VA	A=28mm	260

Possible primary connections



Possible secondary connections





50/60HZ PCB MOUNT TRANSFORMERS 14W 39 x 10.2-CT-I 3910 SERIES

FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

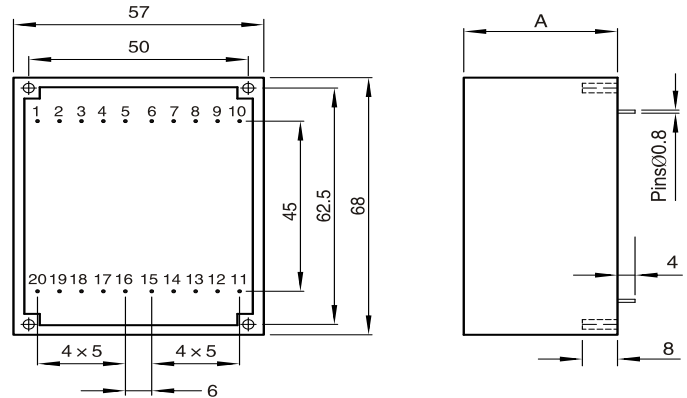
OPTIONS:

- Bulk packaging is standard
- Custom design available

ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115~230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
CT-I 391043	2 × 6	2 × 1167	2 × 7.5	T50B
CT-I 391044	2 × 9	2 × 778	2 × 10.9	T50B
CT-I 391045	2 × 12	2 × 583	2 × 15.0	T50B
CT-I 391046	2 × 15	2 × 467	2 × 18.7	T50B
CT-I 391047	2 × 18	2 × 389	2 × 22.4	T50B
CT-I 391048	2 × 24	2 × 292	2 × 30.2	T50B

PHYSICAL CHARACTERISTICS



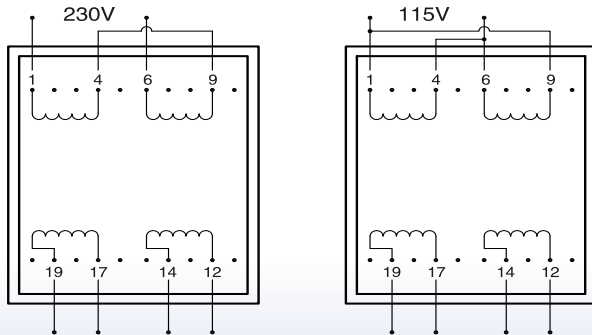
All dimensions in mm

TECHNICAL INFORMATION

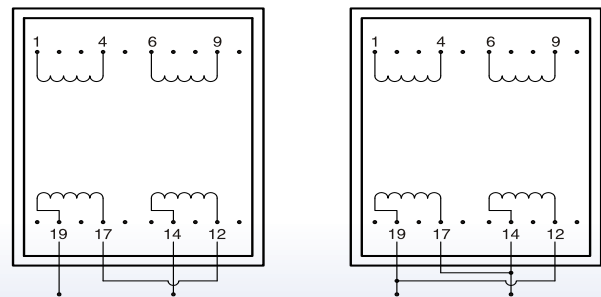
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV
- 100% tested production
- Conform to EN 61558 Approval under process

CIRC	RATING	DIMENSION:A	WEIGHT(g)
39 × 8	10VA	A=22mm	285
39 × 10.2	14VA	A=24mm	335
39 × 13.5	18VA	A=27mm	405
39 × 17	24VA	A=31mm	260
39 × 21	30VA	A=35mm	550

Possible primary connections

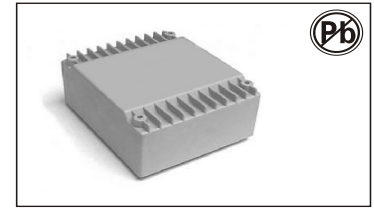


Possible secondary connections



50/60HZ PCB MOUNT TRANSFORMERS

18W 39 × 13.5-CT-I 3913 SERIES



FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

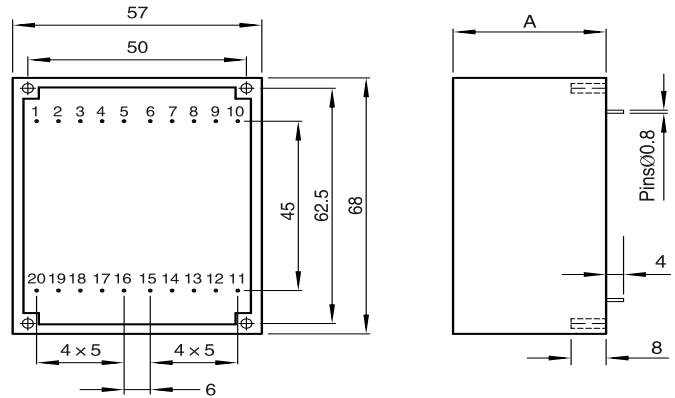
OPTIONS:

- Bulk packaging is standard
- Custom design available

ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115~230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
CT-I 391349	2 × 6	2 × 1500	2 × 7.4	T50B
CT-I 391350	2 × 9	2 × 1000	2 × 11.0	T50B
CT-I 391351	2 × 12	2 × 750	2 × 14.7	T50B
CT-I 391352	2 × 15	2 × 600	2 × 18.3	T50B
CT-I 391353	2 × 18	2 × 500	2 × 22.0	T50B
CT-I 391354	2 × 24	2 × 375	2 × 29.4	T50B

PHYSICAL CHARACTERISTICS

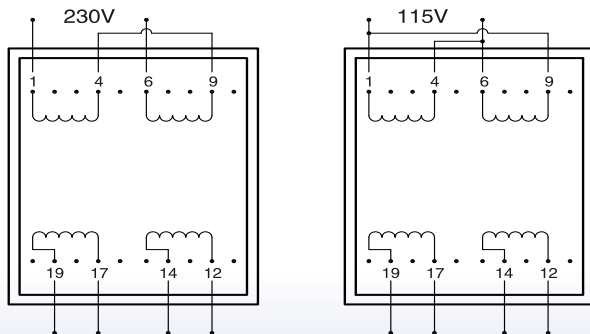


TECHNICAL INFORMATION

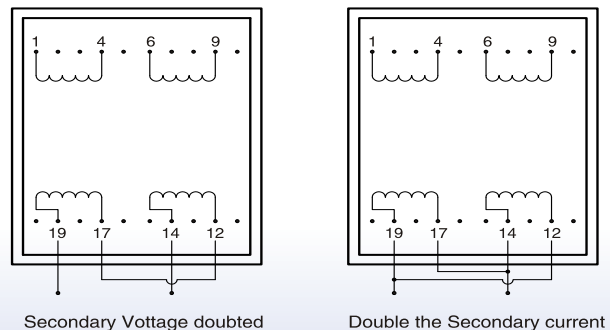
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV
- 100% tested production
- Conform to EN 61558 Approval under process

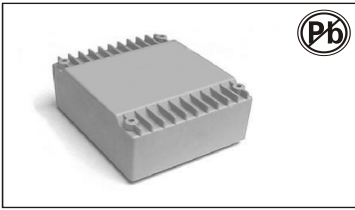
CIRC	RATING	DIMENSION:A	WEIGHT(g)
39 × 8	10VA	A=22mm	285
39 × 10.2	14VA	A=24mm	335
39 × 13.5	18VA	A=27mm	405
39 × 17	24VA	A=31mm	260
39 × 21	30VA	A=35mm	550

Possible primary connections



Possible secondary connections





50/60HZ PCB MOUNT TRANSFORMERS 24W 39 × 17-CT-I 3917 SERIES

FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

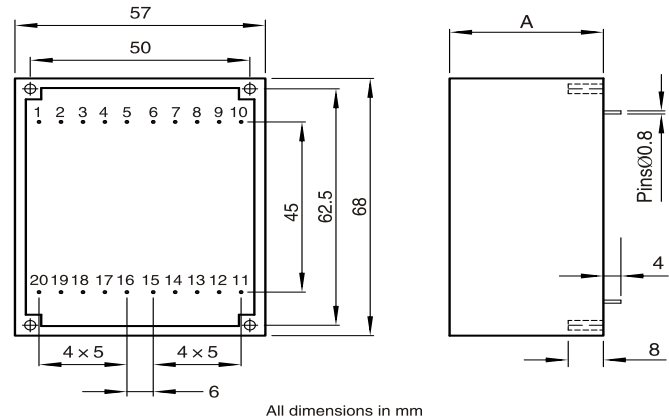
OPTIONS:

- Bulk packaging is standard
- Custom design available

ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115~230				
Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C
CT-I 391755	2 × 6	2 × 2000	2 × 7.1	T50B
CT-I 391756	2 × 9	2 × 1333	2 × 10.6	T50B
CT-I 391757	2 × 12	2 × 1000	2 × 14.1	T50B
CT-I 391758	2 × 15	2 × 800	2 × 17.6	T50B
CT-I 391759	2 × 18	2 × 667	2 × 21.2	T50B
CT-I 391760	2 × 24	2 × 500	2 × 28.3	T50B

PHYSICAL CHARACTERISTICS

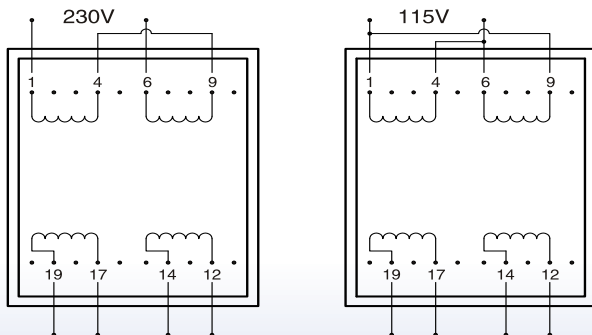


TECHNICAL INFORMATION

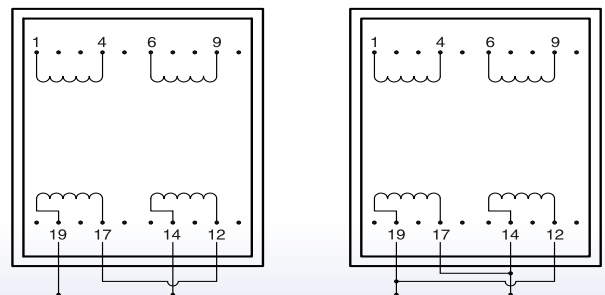
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV
- 100% tested production
- Conform to EN 61558 Approval under process

CIRC	RATING	DIMENSION:A	WEIGHT(g)
39 × 8	10VA	A=22mm	285
39 × 10.2	14VA	A=24mm	335
39 × 13.5	18VA	A=27mm	405
39 × 17	24VA	A=31mm	260
39 × 21	30VA	A=35mm	550

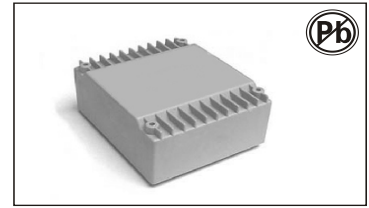
Possible primary connections



Possible secondary connections



50/60HZ PCB MOUNT TRANSFORMERS – FAUI RANGE 30W 39 × 21 – CT-I 3921 SERIES



FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

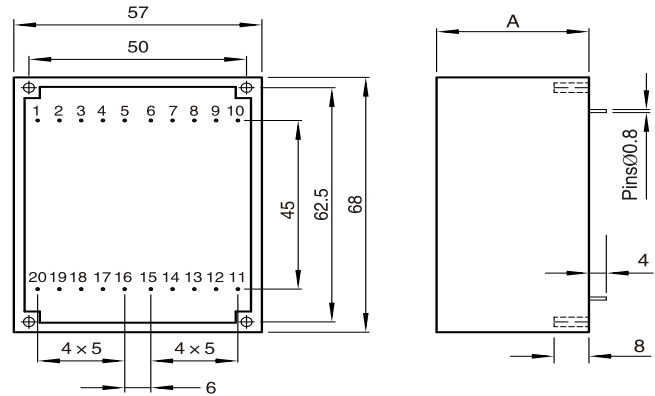
OPTIONS:

- Bulk packaging is standard
- Custom design available

ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115~230				
Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C
CT-I 392161	2 × 6	2 × 2500	2 × 6.7	T50B
CT-I 392162	2 × 9	2 × 1667	2 × 10.15	T50B
CT-I 392163	2 × 12	2 × 1250	2 × 13.5	T50B
CT-I 392164	2 × 15	2 × 1000	2 × 16.8	T50B
CT-I 392165	2 × 18	2 × 883	2 × 20.2	T50B
CT-I 392166	2 × 24	2 × 625	2 × 27.0	T50B

PHYSICAL CHARACTERISTICS

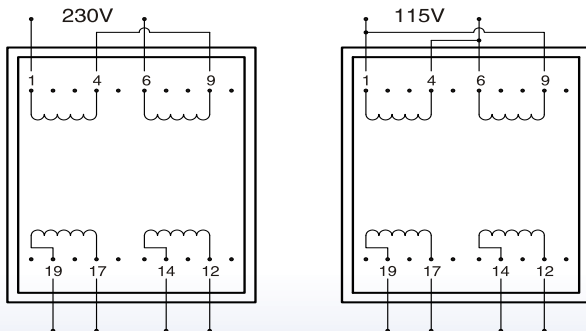


TECHNICAL INFORMATION

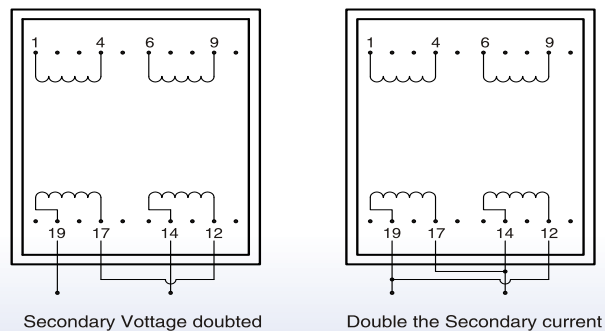
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV (6 KV MYRRA test)
- 100% tested production
- Conform to EN 61558 Approval under process

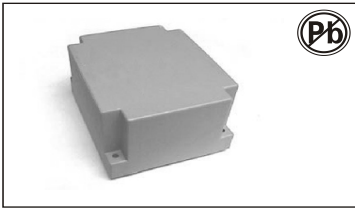
CIRC	RATING	DIMENSION:A	WEIGHT(g)
39 × 8	10VA	A=22mm	285
39 × 10.2	14VA	A=24mm	335
39 × 13.5	18VA	A=27mm	405
39 × 17	24VA	A=31mm	260
39 × 21	30VA	A=35mm	550

Possible primary connections



Possible secondary connections





50/60HZ PCB MOUNT TRANSFORMERS 40W 48 x 17-CT-I 4817 SERIES

FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

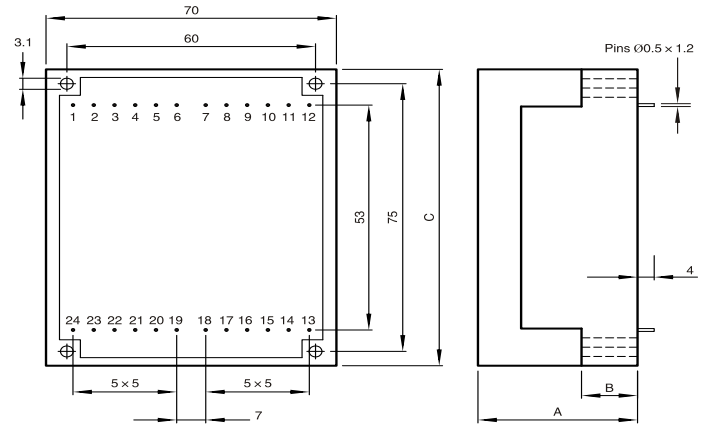
OPTIONS:

- Bulk packaging is standard
- Custom design available

ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115~230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
CT-I 481767	2 × 6	2 × 3300	2 × 6.7	T50B
CT-I 481768	2 × 9	2 × 2222	2 × 10.0	T50B
CT-I 481769	2 × 12	2 × 1667	2 × 13.4	T50B
CT-I 481770	2 × 15	2 × 1333	2 × 16.7	T50B
CT-I 481771	2 × 18	2 × 1111	2 × 20.1	T50B
CT-I 481772	2 × 24	2 × 833	2 × 26.8	T50B

PHYSICAL CHARACTERISTICS



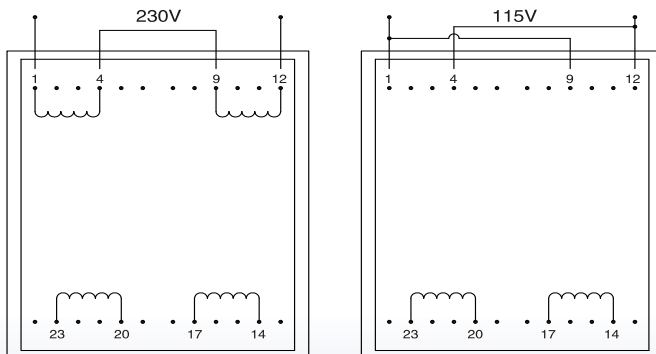
All dimensions in mm

TECHNICAL INFORMATION

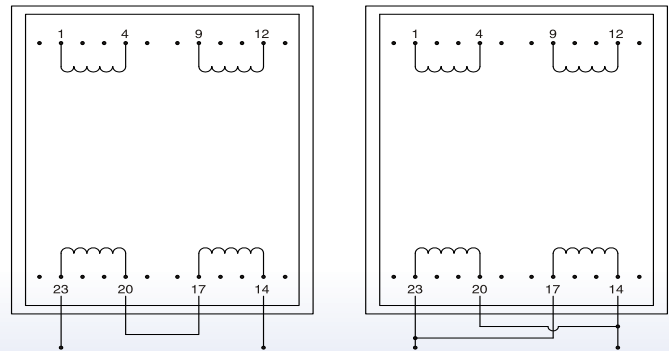
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- 100% tested production
- Conform to EN 61558 Approval under process
- UL 506 approved

CIRC	RATING	A	B	C	WEIGHT(g)
39 × 8	10VA	38.5	13.5	83	285
39 × 10.2	14VA	48.5	14.5	86	335

Possible primary connections



Possible secondary connections





High Voltage Transformers Series

Model	Input Voltage	Output Voltage	Output Current
CT-7010C	100~240 VAC available	3,000 VAC	7 ~ 9 mA
CT-7013C	100~240 VAC available	3,500 VAC	7 ~ 9 mA
CT-7016C	100~240 VAC available	4,000 VAC	7 ~ 9 mA
CT-7019C	100~240 VAC available	4,500 VAC	7 ~ 9 mA
Transformer with high voltage capacitor			
CT-7010	100~240 VAC available	2,000 VAC	7 ~ 9 mA
CT-7013	100~240 VAC available	2,500 VAC	7 ~ 9 mA
CT-7016	100~240 VAC available	3,000 VAC	7 ~ 9 mA
CT-7019	100~240 VAC available	3,500 VAC	7 ~ 9 mA
CT-7022	100~240 VAC available	4,000 VAC	7 ~ 9 mA
CT-702510	100~240 VAC available	1,000 VAC	40 mA
CT-702530	100~240 VAC available	3,000 VAC	20 mA
CT-702540	100~240 VAC available	4,000 VAC	10 ~ 12 mA
CT-702550	100~240 VAC available	5,000 VAC	8 ~ 10 mA
CT-8225N	100~240 VAC available	5,000 VAC	10 mA
CT-5020	100~240 VAC available	6,000 VAC	5 mA
CT-5020	100~240 VAC available	7,500 VAC	5 mA
CT-5020	100~240 VAC available	5,000 VAC	5 mA
CT-8625N (120W Max)	100~240 VAC available	3,000 VAC	40 mA
		4,000 VAC	30 mA
		5,000 VAC	20 mA
CT-8630N (150W Max)	100~240 VAC available	4,000 VAC	35 mA
		6,500 VAC	20 mA
CT-8640N (230W Max)	100~240 VAC available	4,000 VAC	50 mA
		6,500 VAC	35 mA
		7,500 VAC	30 mA
CT-7016CE	100~240 VAC available	4,000 VAC	7 ~ 9 mA
CT-7016E	100~240 VAC available	3,000 VAC	7 ~ 9 mA
CT-7025E	100~240 VAC available	5,000 VAC	8 ~ 10 mA
CT-8225E	100~240 VAC available	7,500 VAC	5 mA
CT-8625E (120W Max)	100~240 VAC available	3,000 VAC	40 mA
		4,000 VAC	30 mA
		5,000 VAC	20 mA
		7,500 VAC	10 mA
		9,000 VAC	10 mA
CT-8630E (150W Max)	100~240 VAC available	4,000 VAC	35 mA
		6,500 VAC	20 mA
		7,500 VAC	20 mA
		10,000 VAC	10 mA





Switching Transformers Series

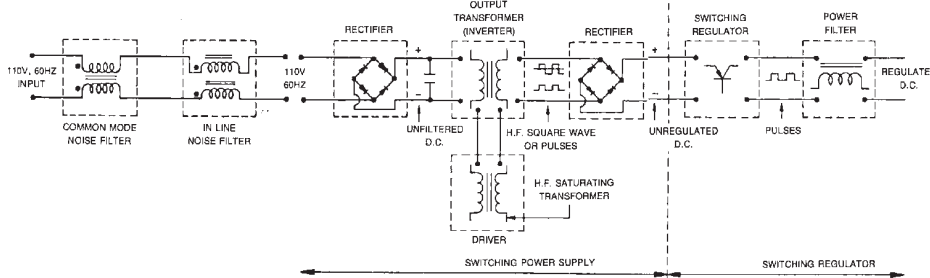
APPLICATIONS

TV, VCR, copy machines, audio equipment, printers, CRT display, game machines, home computers, automobiles (EGI power supply circuit)

SPECIFICATIONS:

Block diagram of typical block filter.

Block diagram of typical switching power supply and regulator.



Power Supply Component	Desired Core Characteristics	Available Shapes
EMI FILTER		
(1) Common mode noise filter	High permeability	1. Ferrite toroids 2. Ferrite shapes (Ungapped)
(2) In-line noise filter	High saturation (B max)	1. Molypermalloy power cores 2. 50 Ni- 50 Fe powder cores 3. Gapped ferrites 4. Powdered iron 5. Si-Fe laminations 6. Kool Mu Powder cores
DRIVER	Low Losses	1. Bobbin cores 2. Ni-Fe tape wound cores 3. Ferrite toroids 4. Semi-conductor chips
OUTPUT TRANSFORMER		
(1) High frequency (20 KHz & above)	Low Losses	1. Ferrites (a) pot cores (b) shapes (c) toroids
(2) Low frequency (10 KHz & below)	High Saturation (B max)	2. Ni-Fe tape wound cores 3. Amorphous tape wound cores 4. Cut Cores (a) Ni-Fe (b) Amorphous 5. Ni-Fe laminations
REGULATING INDUCTOR		
(1) Mag. amp regulator	High Saturation (B max)	1. Ni-Fe tape wound core 2. Cobalt-base amorphous tape wound cores 3. Square loop ferrite toroids
(2) Filter inductor		1. Molypermalloy powder cores 2. 50 Ni-50FE powder cores 3. Gapped ferrites 4. Powdered iron 5. Cut cores 6. Si-Fe laminations 7. Kool Mu powder cores



FERRITE CORE SELECTION

FOR SWITCHING MODE TRANSFORMER

Ferrite core selection listed by typical power handling capacities (watts) (square wave operation) (see note)

WATTAGE			E Cores	EC Cores	ETD Cores	PQ Cores	CUT Cores	POT Cores	RM Cores	Toroids Cores	EP Cores
@f = 20KHz	@f = 50KHz	@f = 100KHz									
5	8	13	E1187					1811		1306	17
7	10	17					2311			1605	
12	10	27				2016			RM8		
13	20	30	E2425								
15	22	32						2213			
17	27	39									
18	28	43				2020	2318			2106	
19	30	48									20
26	42	58								2206	
28	45	65							RM10	2109	
30	49	70				2620		2616			
33	53	80									
40	61	95	E30				3019				
42	70	100				2625					
48	75	110								2212, 2507	
60	100	150	E375	EC35		3220		3019	RM12		
70	110	170			ETD34					2908	
105	160	250	E40								
110	190	280				3230		3622			
120	180	290		EC41							
130	180	260								3806	
140	210	340	E21								
150	240	380			ETD39						
190	300	470								3610	
200	310	500	E625								
210	350	530				3535					
220	350	530								3813	
230	350	550	42/15								
260	400	600								3615	
280	430	650	E50	EC52				4229			
300	450	700	42/20		ETD44			4529			
340	550	850				4040					
360	580	870								3825	
410	650	1000	E75		ETD49					4416	
550	800	1300	55/21; E60								
650	1000	1600								4916, 4920	
700	1100	1800	55/25								
850	1300	1900								4925	
900	1500	2000		EC70							
1000	1600	2500								6113	
1000	1700	2700									
1400	2500	3200								4932	
1600	2600	3700								7313	
2800	4200	6500								8613	

Note: Assuming Core Loss to be Approximately 100mW/cm³.
 B levels used in this chart are: @ 20 KHz—2000 gauss; @ 50 KHz—1300 gauss; @ 100 KHz - 900 gauss
 Customer variations and specifications are welcome. All different style of core and bobbins are available.



ADAPTER POWER SUPPLY

AC-DC 3W

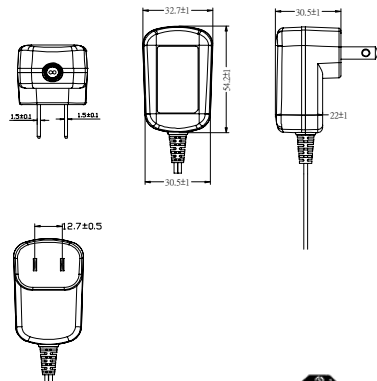
CT-036WU05

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,FCC ,CB,standard
- Efficiency (Level V)



Dimension:



Model No.	Output		Additional Safety
CT-036WU05	5V	0.6A	

Specification:



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	100mA
	Leakage Current	< 0.1mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40℃;Storage: -10~+75℃
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1, 1st Edition, CSA C22.2 No.60950-1-03 , IEC 60950-1:2001, EN60950-1:2001+A11:2004, First Edition	
EMC	EMI	FCC CFR 47 PART 15





ADAPTER POWER SUPPLY

AC-DC 3W

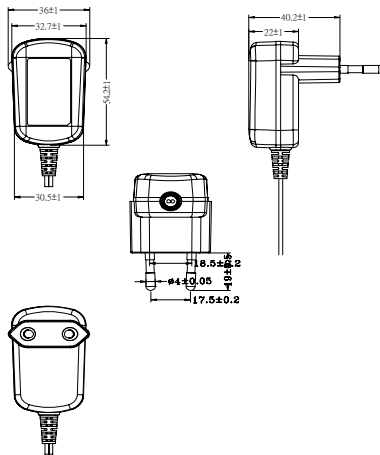
CT-036WT05

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- GS,CE,CB, standard
- Efficiency (Level V)



Dimension:



Model No.	Output		Additional Safety
CT-036WT05	5V	0.6A	

Specification:



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	100mA
	Leakage Current	< 0.1mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1, 1 st Edition, CSA C22.2 No.60950-1-03 , IEC 60950-1:2001, EN60950-1:2001+A11:2004, First Edition.	
EMC	EMI	EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 3W

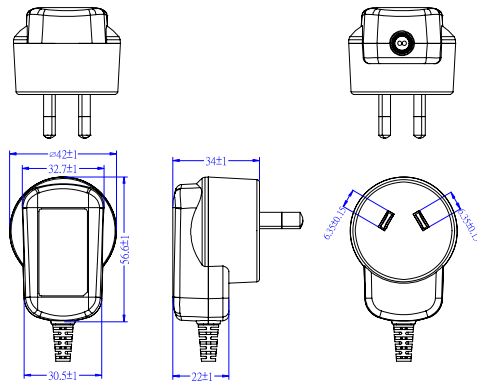
CT-036WSx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- RCM,CB, standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-036WS05	5V	0.6A	

Specification:



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.1mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	
	CIPSR22 , EN55022 , EN61000-3	





ADAPTER POWER SUPPLY

AC-DC 3W

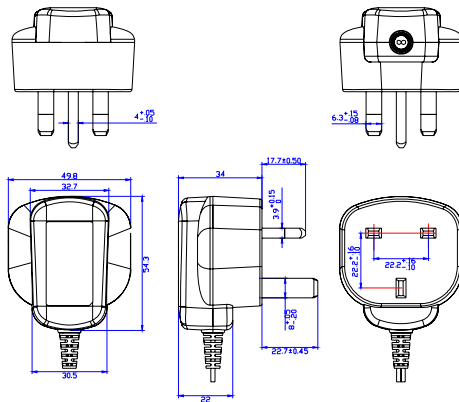
CT-036WExx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- GS,CE,CB,standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-036WE05	5V	0.6A	

Specification:



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.1mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

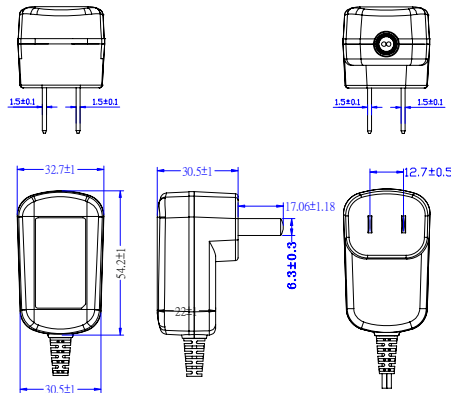
AC-DC 3W

CT-036WCxx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- CCC ,CB,standard
- Meet EPS 2.0 LEVEL V

Dimension:



Model No.	Output	Additional Safety
CT-036WC05	5V 0.6A	

Specification:

REV.01 2011.9.28



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	100mA
	Leakage Current	< 0.1mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15





ADAPTER POWER SUPPLY

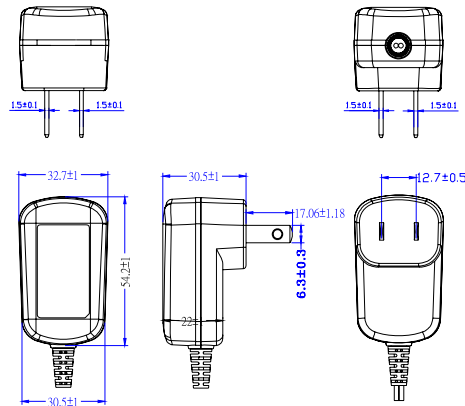
AC-DC 5W

CT-055WUxx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,FCC ,CB,standard
- Meet EPS 2.0 LEVEL V

Dimension:



Model No.	Output		Additional Safety
CT-055WU05	5V	1A	

Specification:



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.1mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15





ADAPTER POWER SUPPLY

AC-DC 5W

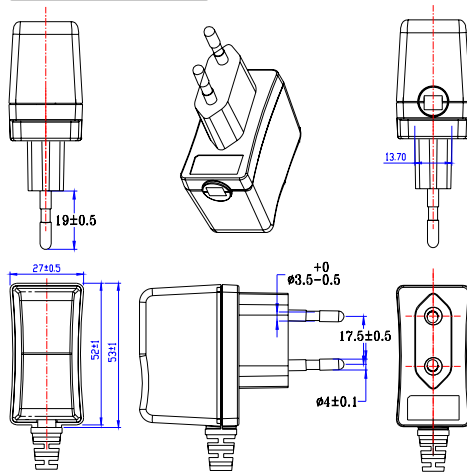
CT-056WTxx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- Meet **GS,CE,CB**, standard
- Meet EPS 2.0 LEVEL V
- Surge 6KV/2Ω



Dimension



Model No.	Output	Additional Safety
CT-056WT05	5V 1A	



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.1mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~50°C; Storage: -10~+75°C
	Humidity	Operating: 20%~85%; Storage: 10%~95%(Non Converting)
M.T.B.F		50k Hours
Safety Meet		UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1
EMC	EMI	EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 5W

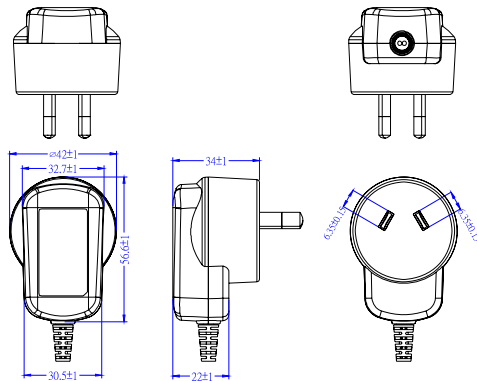
CT-055WSxx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- RCM,CB, standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output	Additional Safety
CT-055WS05	5V 1A	

Specification:



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.1mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	CIPSR22 , EN55022 , EN61000-3





ADAPTER POWER SUPPLY

AC-DC 5W

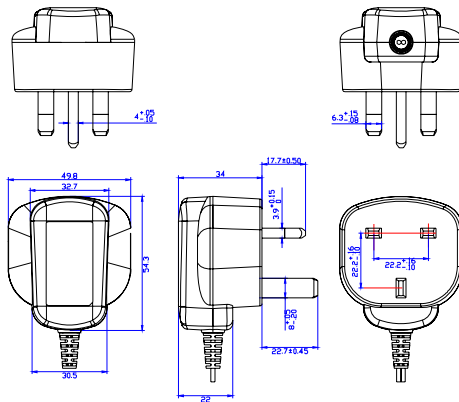
CT-055WE_{xx}

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- GS,CE,CB,standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-055WE05	5V	1A	

Specification:



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.1mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

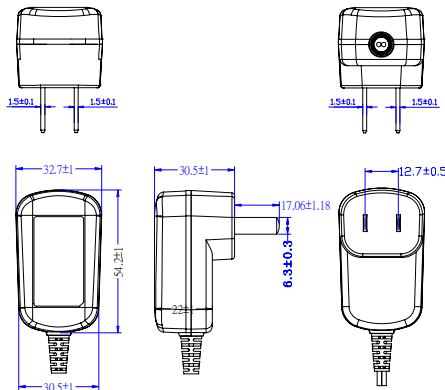
AC-DC 5W

CT-055WCxx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- CCC ,CB,standard
- Meet EPS 2.0 LEVEL V

Dimension:



Model No.	Output	Additional Safety
CT-055WC05	5V 1A	

Specification:

REV.01 2011.9.28



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.1mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C; Storage: -10~+75°C
	Humidity	Operating: 20%~85%; Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1, CSA C22.2 No.60950-1, EN60950-1, IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15





ADAPTER POWER SUPPLY

AC-DC 5W

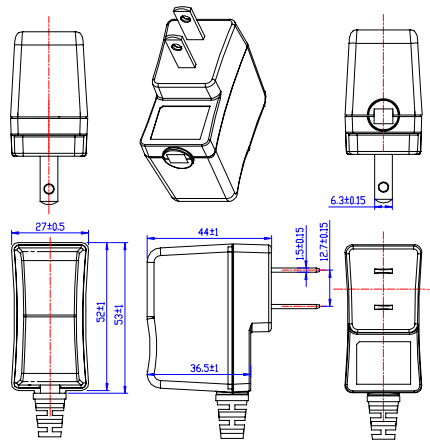
CT-056WUxx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requiemnt
- 100% burn in test
- 1 year warranty
- UL,cUL,FCC ,CB,standard
- Meet EPS 2.0 LEVEL V
- Surge: 6KV Common Mode(12 Ohm) ;AC-line:2KV(2 Ohm)



Dimension:



Model No.	Output	Additional Safety
CT-056WU05	5V 1A	

Specification:



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.1mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~50°C ;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety Meet	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15





ADAPTER POWER SUPPLY

AC-DC 5W

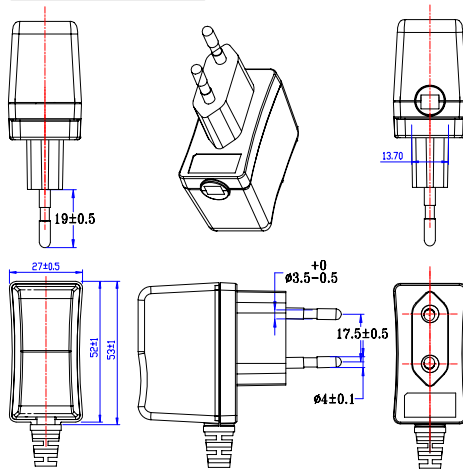
CT-056WTxx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- GS,CE,CB, standard
- Meet EPS 2.0 LEVEL V
- Surge: 6KV Common Mode(12 Ohm) ;AC-line:2KV(2 Ohm)



Dimension:



Model No.	Output	Additional Safety
CT-056WT05	5V 1A	

Specification:

Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.1mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~50°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety Meet	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 5W

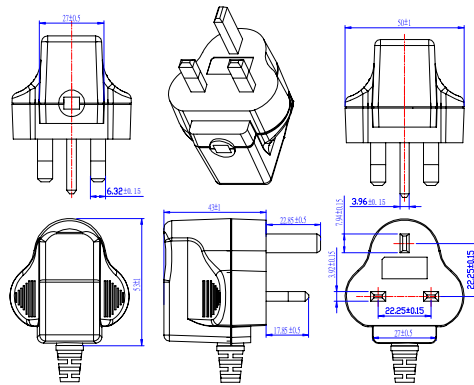
CT-056WExx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- GS,CE,CB,standard
- Meet EPS 2.0 LEVEL V
- Surge: 6KV Common Mode(12 Ohm) ;AC-line



Dimension:



Model No.	Output		Additional Safety
CT-056WE05	5V	1A	

Specification:



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.1mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	>20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~50°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M. T. B. F	50k Hours	
Safety Meet	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 5W

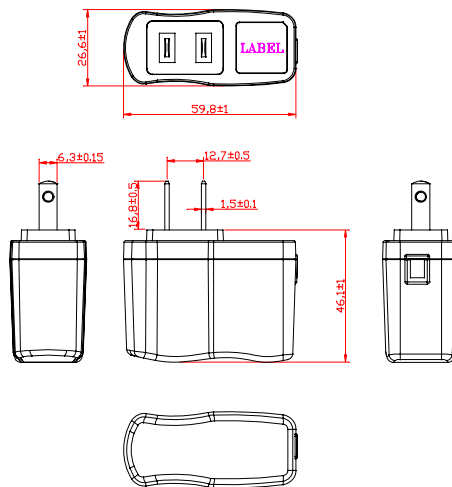
CT-058WUXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,CB,FCC,BSMI standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-058WU03	3.3V	1.5A	
CT-058WU04	4V	1.25A	
CT-058WU05	5V	1.0A	
CT-058WU06	6V	0.83A	
CT-058WU09	9V	0.55A	
CT-058WU12	12V	0.42A	
CT-058WU15	15V	0.33A	
CT-058WU18	18V	0.28A	
CT-058WU24	24V	0.21A	

Specification:

REV.02 2011.6.30



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

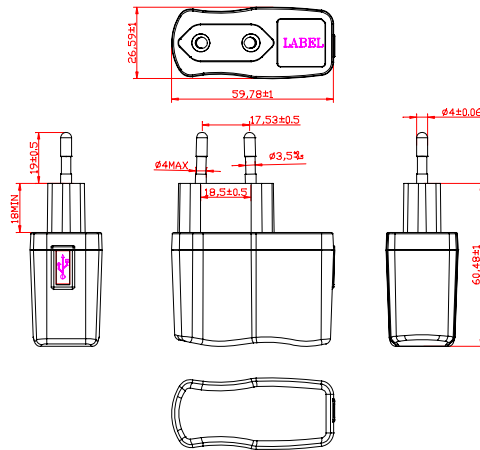
AC-DC 5W

CT-058WTXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- GS, CB, CE standard
- Meet EPS 2.0 LEVEL V

Dimension:



Model No.	Output		Additional Safety
CT-058WT03	3.3V	1.5A	
CT-058WT04	4V	1.25A	
CT-058WT05	5V	1.0A	
CT-058WT06	6V	0.83A	
CT-058WT09	9V	0.55A	
CT-058WT12	12V	0.42A	
CT-058WT15	15V	0.33A	
CT-058WT18	18V	0.28A	
CT-058WT24	24V	0.21A	

Specification:

REV.01 2011.3.2



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C; Storage: -10~+75°C
	Humidity	Operating: 20%~85%; Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1, CSA C22.2 No.60950-1, EN60950-1, IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 5W

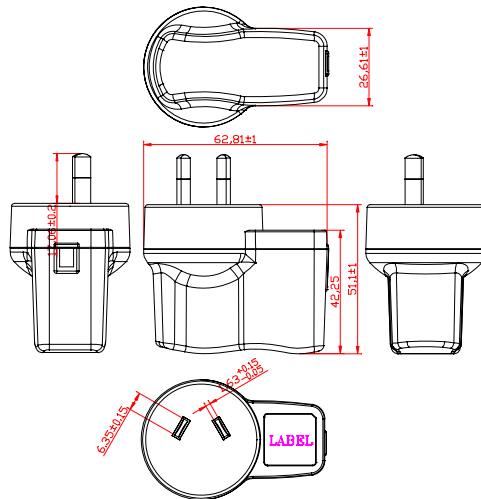
CT-058WSXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requiemnt
- 100% burn in test
- 1 year warranty
- RCM,CB,CE standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-058WS03	3.3V	1.5A	
CT-058WS04	4V	1.25A	
CT-058WS05	5V	1.0A	
CT-058WS06	6V	0.83A	
CT-058WS09	9V	0.55A	
CT-058WS12	12V	0.42A	
CT-058WS15	15V	0.33A	
CT-058WS18	18V	0.28A	
CT-058WS24	24V	0.21A	

Specification:

REV.01 2011.6.23



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C; Storage: -10~+75°C
	Humidity	Operating: 20%~85%; Storage: 10%~95%(Non Conversing)
M.T.B.F	50k Hours	
Safety	UL 60950-1, CSA C22.2 No.60950-1, EN60950-1, IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 5W

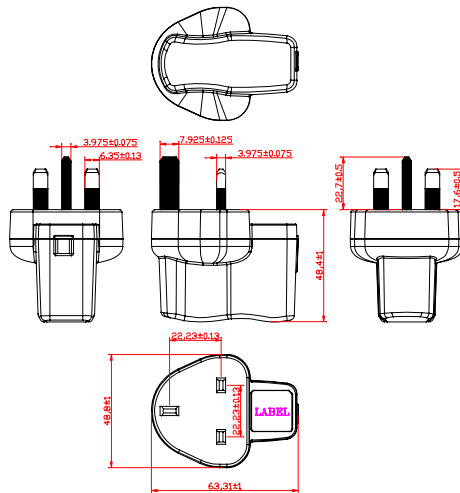
CT-058WEXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- GS,CB,CE standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-058WE03	3.3V	1.5A	
CT-058WE04	4V	1.25A	
CT-058WE05	5V	1.0A	
CT-058WE06	6V	0.83A	
CT-058WE09	9V	0.55A	
CT-058WE12	12V	0.42A	
CT-058WE15	15V	0.33A	
CT-058WE18	18V	0.28A	
CT-058WE24	24V	0.21A	

Specification:

REV.01 2011.3.2



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 5W

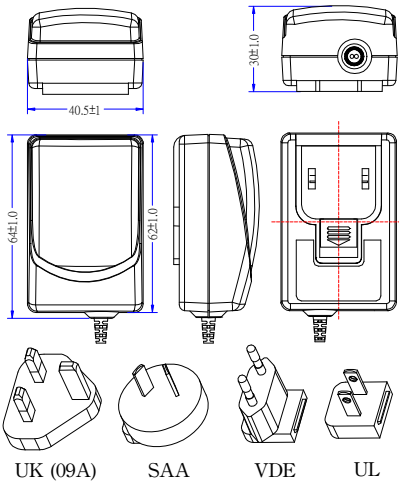
CT-058WPxx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- **UL, cUL, GS, CB, CE, FCC standard**
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-058WP03	3.3V	1.5A	
CT-058WP04	4V	1.25A	
CT-058WP05	5V	1.0A	
CT-058WP06	6V	0.83A	
CT-058WP09	9V	0.55A	
CT-058WP12	12V	0.42A	
CT-058WP15	15V	0.33A	
CT-058WP18	18V	0.28A	
CT-058WP24	24V	0.21A	

Specification:

REV.01 2011.3.2



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 100mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C; Storage: -10~+75°C
	Humidity	Operating: 20%~85%; Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety Meet	UL 60950-1, CSA C22.2 No.60950-1, EN60950-1, IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





CET TECHNOLOGY, LLC

5W - Switching Power Supplies

ADAPTER POWER SUPPLY

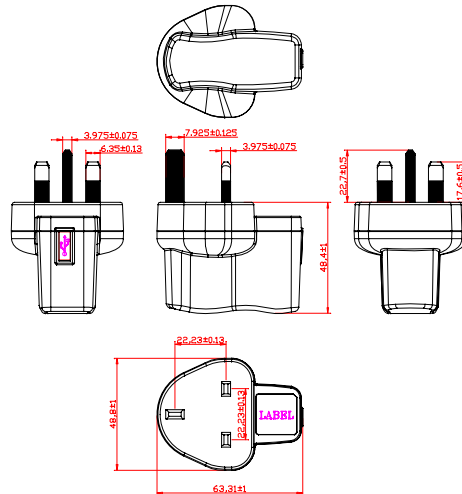
AC-DC 5W

CT-058WE05B

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requiemnt
- 100% burn in test
- 1 year warranty
- GS,CB,CE standard
- Meet EPS 2.0 LEVEL V

Dimension:



Model No.	Output	Additional Safety
CT-058WE05B	5V 1A	

Specification:

REV.01 2011.3.2



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

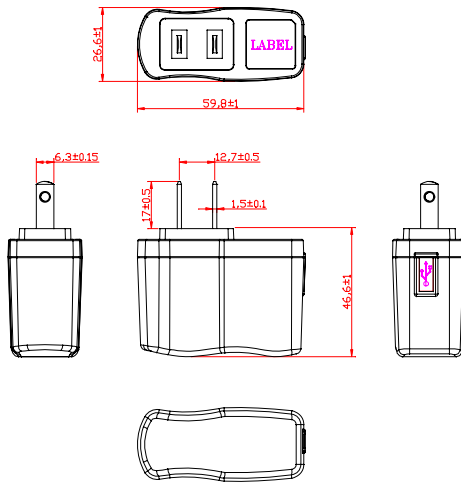
AC-DC 5W

CT-058WU05B

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,CB,FCC,BSMI standard
- Meet EPS 2.0 LEVEL V

Dimension:



Model No.	Output	Additional Safety
CT-058WU05B	5V 1A	

Specification:

REV.02 2011.6.30



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M. T. B. F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

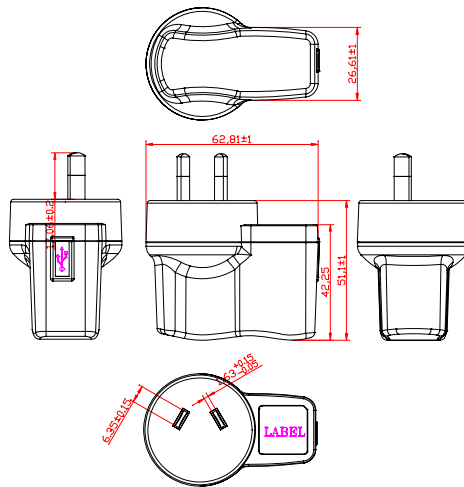
AC-DC 5W

CT-058WS05B

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- RCM,CB,CE standard
- Meet EPS 2.0 LEVEL V

Dimension:



Model No.	Output	Additional Safety
CT-058WS05B	5V 1A	

Specification:

REV.01 2011.6.23



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

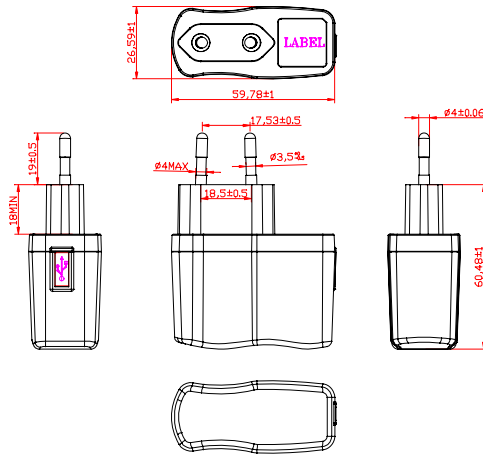
AC-DC 5W

CT-058WT05B

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requiemnt
- 100% burn in test
- 1 year warranty
- GS,CB,CE standard
- Meet EPS 2.0 LEVEL V

Dimension:



Model No.	Output		Additional Safety
CT-058WT05B	5V	1A	

Specification:

REV.01 2011.3.2



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Conversing)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 6W

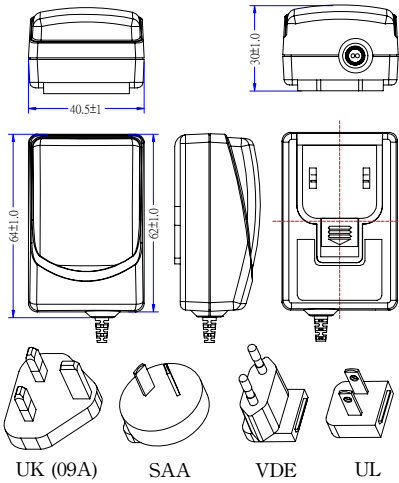
CT-066WPx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE,FCC,RCM,BSMI,CCC standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-066WP33	3.3V	1.8A	
CT-066WP05	5V	1.2A	
CT-066WP06	6V	1A	
CT-066WP09	9V	0.67A	
CT-066WP12	12V	0.5A	
CT-066WP15	15V	0.4A	

IV

Specification:

REV.03 2011.7.26



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.1mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 6W

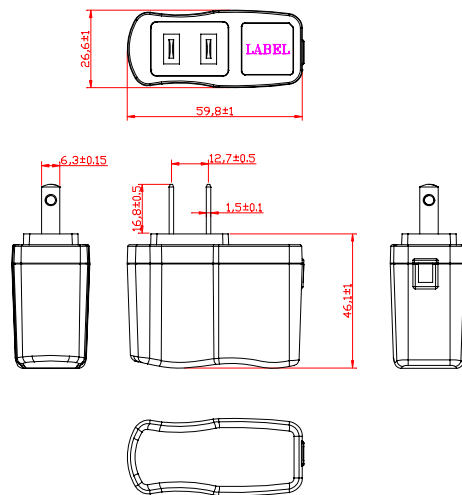
CT-068WUXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,CB,FCC,BSMI standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-068WU03	3.3V	1.8A	
CT-068WU04	4V	1.5A	
CT-068WU05	5V	1.2A	
CT-068WU06	6V	1.0A	
CT-068WU09	9V	0.67A	
CT-068WU12	12V	0.5A	
CT-068WU15	15V	0.4A	
CT-068WU18	18V	0.33A	
CT-068WU24	24V	0.25A	

Specification:

REV.02 2011.6.30



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

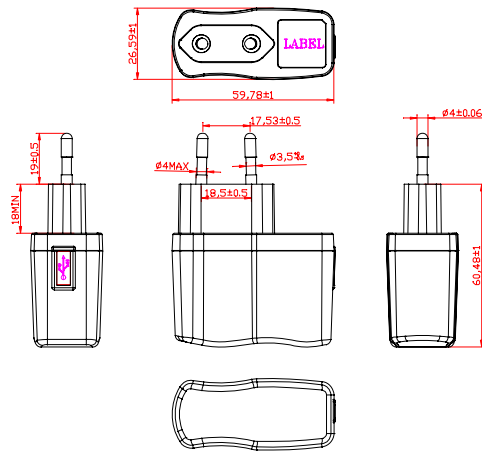
AC-DC 6W

CT-068WTXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- GS, CB, CE standard
- Meet EPS 2.0 LEVEL V

Dimension:



Model No.	Output		Additional Safety
CT-068WT03	3.3V	1.8A	
CT-068WT04	4V	1.5A	
CT-068WT05	5V	1.2A	
CT-068WT06	6V	1.0A	
CT-068WT09	9V	0.67A	
CT-068WT12	12V	0.5A	
CT-068WT15	15V	0.4A	
CT-068WT18	18V	0.33A	
CT-068WT24	24V	0.25A	

Specification:

REV.01 2011.3.2



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C; Storage: -10~+75°C
	Humidity	Operating: 20%~85%; Storage: 10%~95%(Non Converting)
M. T. B. F	50k Hours	
Safety	UL 60950-1, CSA C22.2 No.60950-1, EN60950-1, IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 6W

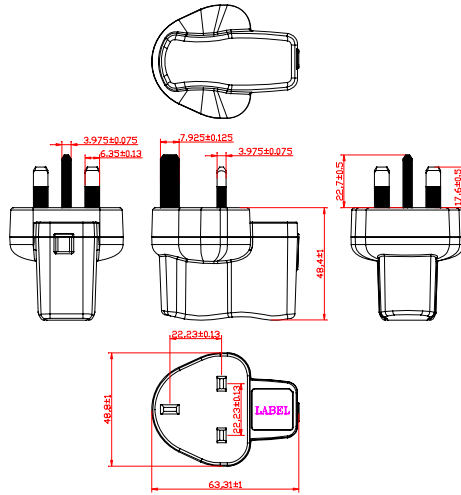
CT-068WEXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requiement
- 100% burn in test
- 1 year warranty
- GS,CB,CE standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-068WE03	3.3V	1.8A	
CT-068WE04	4V	1.5A	
CT-068WE05	5V	1.2A	
CT-068WE06	6V	1.0A	
CT-068WE09	9V	0.67A	
CT-068WE12	12V	0.5A	
CT-068WE15	15V	0.4A	
CT-068WE18	18V	0.33A	
CT-068WE24	24V	0.25A	

Specification:

REV.01 2011.3.2



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 6W

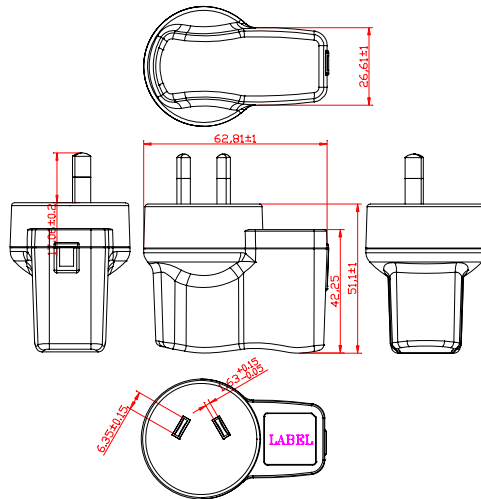
CT-068WSXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requiemnt
- 100% burn in test
- 1 year warranty
- RCM,CB,CE standard
- Meet EPS 2.0 LEVEL V



Dimension:



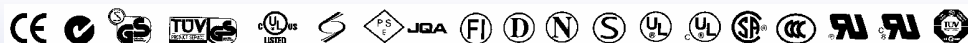
Model No.	Output		Additional Safety
CT-068WS03	3.3V	1.8A	
CT-068WS04	4V	1.5A	
CT-068WS05	5V	1.2A	
CT-068WS06	6V	1.0A	
CT-068WS09	9V	0.67A	
CT-068WS12	12V	0.5A	
CT-068WS15	15V	0.4A	
CT-068WS18	18V	0.33A	
CT-068WS24	24V	0.25A	

Specification:

REV.01 2011.6.23



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Conversing)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 6W

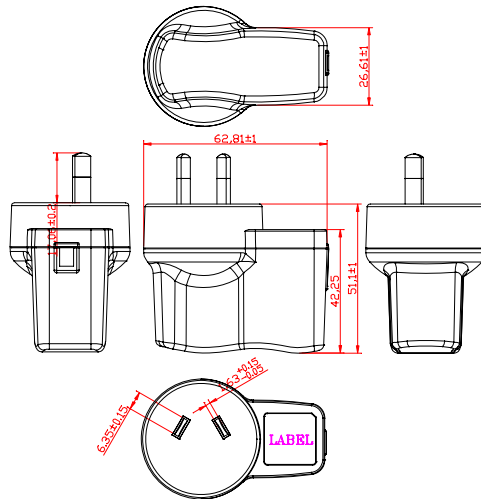
CT-068WSXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requiemnt
- 100% burn in test
- 1 year warranty
- RCM,CB,CE standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-068WS03	3.3V	1.8A	
CT-068WS04	4V	1.5A	
CT-068WS05	5V	1.2A	
CT-068WS06	6V	1.0A	
CT-068WS09	9V	0.67A	
CT-068WS12	12V	0.5A	
CT-068WS15	15V	0.4A	
CT-068WS18	18V	0.33A	
CT-068WS24	24V	0.25A	

Specification:

REV.01 2011.6.23



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

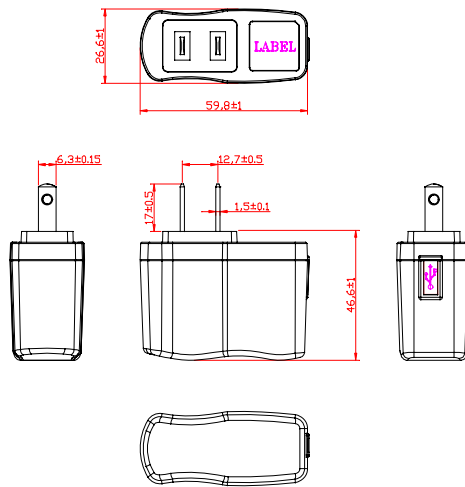
AC-DC 6W

CT-068WU05B

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requiemnt
- 100% burn in test
- 1 year warranty
- UL,cUL,CB,FCC,BSMI standard
- Meet EPS 2.0 LEVEL V

Dimension:



Model No.	Output		Additional Safety
CT-068WU05B	5V	1.2A	

Specification:

REV.03 2011.7.29



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non condensing)
M.T.B.F	50k Hours	
Safety	UL 60950-1, CSA C22.2 No.60950-1, EN60950-1, IEC 60950-1	
	UL 60065, 7th Edition 2007-12-1 CAN/CSA-22.2 No. 60065-03, 1ST Edition 2006-04 + A1:2006	
EMC	Emission	FCC PART 15, Subpart B, Class B EN55022, EN61000-3
	Immunity	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 6W

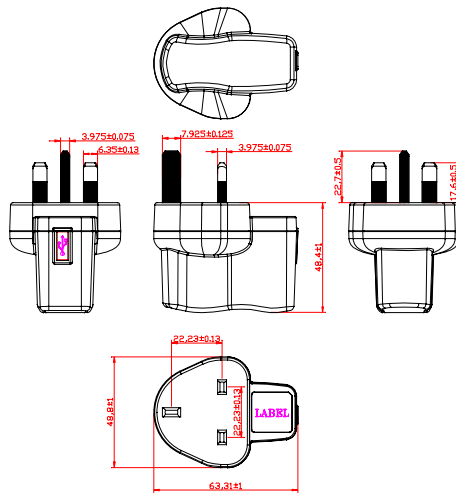
3A-068WE05B

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- GS,CB,CE standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output	Additional Safety
CT-068WE05B	5V 1.2A	

Specification:

REV.01 2011.3.2



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C; Storage: -10~+75°C
	Humidity	Operating: 20%~85%; Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1, CSA C22.2 No.60950-1, EN60950-1, IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

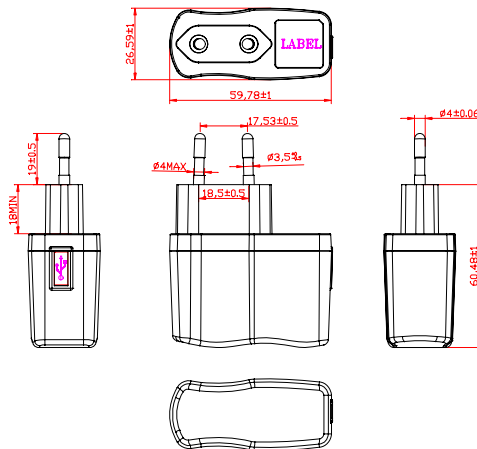
AC-DC 6W

CT-068WT05B

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- GS,CB,CE standard
- Meet EPS 2.0 LEVEL V

Dimension:



Model No.	Output	Additional Safety
CT-068WT05B	5V 1.2A	

Specification:

REV.01 2011.3.2



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C ;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Conversing)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

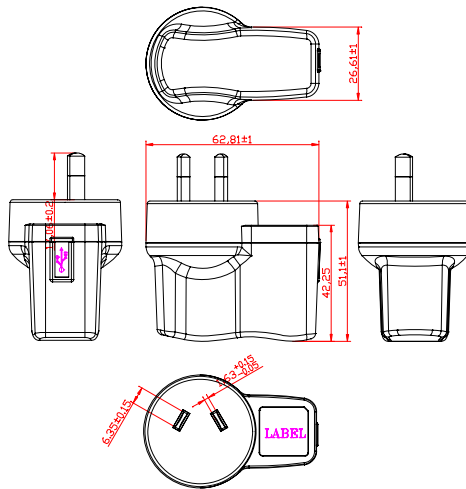
AC-DC 6W

CT-068WS05B

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- RCM,CB,CE standard
- Meet EPS 2.0 LEVEL V

Dimension:



Model No.	Output	Additional Safety
CT-068WS05B	5V 1.2A	

Specification:

REV.01 2011.6.23



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Conversing)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

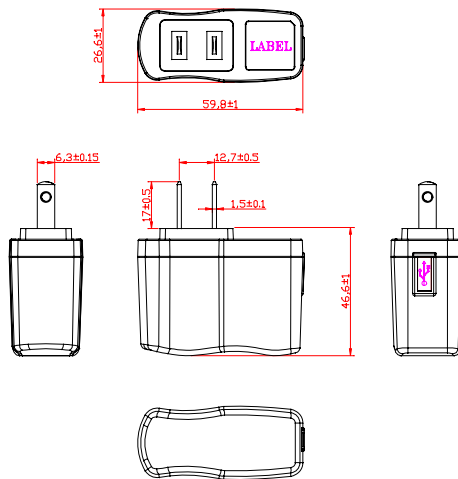
AC-DC 10W

CT-10AWU05

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,CB,FCC standard
- Meet EPS 2.0 LEVEL V

Dimension:



Model No.	Output	Additional Safety
CT-10AWU05	5V 2A	

Specification:

REV.01 2011.3.2



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Conversing)
M.T.B.F		50k Hours
Safety		UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

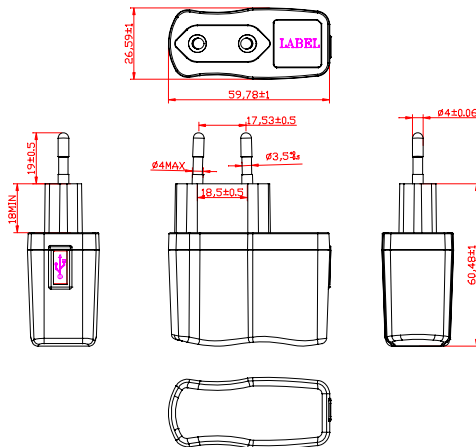
AC-DC 10W

CT-10AWT05

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- GS, CB, CE standard
- Meet EPS 2.0 LEVEL V

Dimension:



Model No.	Output	Additional Safety
CT-10AWT05	5V 2A	

Specification:

REV.01 2011.3.2



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C; Storage: -10~+75°C
	Humidity	Operating: 20%~85%; Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1, CSA C22.2 No.60950-1, EN60950-1, IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

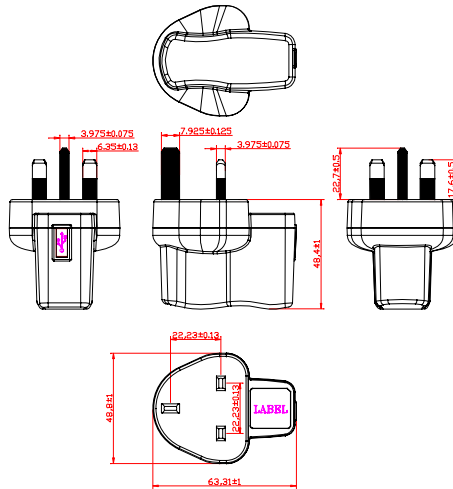
AC-DC 10W

CT-10AWE05

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- GS, CB, CE standard
- Meet EPS 2.0 LEVEL V

Dimension:



Model No.	Output	Additional Safety
CT-10AWE05	5V 2A	

Specification:

REV.01 2011.3.2



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C; Storage: -10~+75°C
	Humidity	Operating: 20%~85%; Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1, CSA C22.2 No.60950-1, EN60950-1, IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

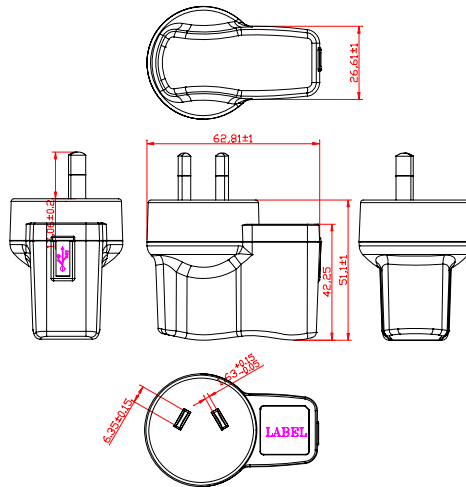
AC-DC 10W

CT-10AWS05

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- RCM, CB standard
- Meet EPS 2.0 LEVEL V

Dimension:



Model No.	Output	Additional Safety
CT-10AWS05	5V 2A	

Specification:

REV.01 2011.3.2



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C; Storage: -10~+75°C
	Humidity	Operating: 20%~85%; Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1, CSA C22.2 No.60950-1, EN60950-1, IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 12W

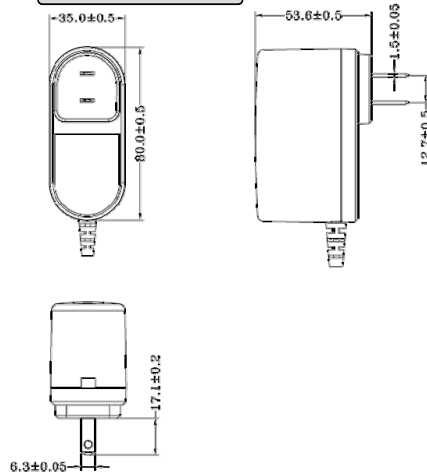
CT-064WU12

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- Meet CEC requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,,FCC
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output	Additional Safety
CT-064WU12	12V 0.5A	

Specification:

REV.01 2010.08.19



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	200mA
	Leakage Current	< 0.25mA
Others	Start up time	<1000mS @ Minimum AC input
	Rise time	<100mS
	Hold up time	>10mS @ 110Vac/60Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Conversing)
M.T.B.F		50k Hours
Safety		UL 60950-1,CSA C22.2 No.60950-1,-1,
EMC	EMI	FCC PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 10W/12W

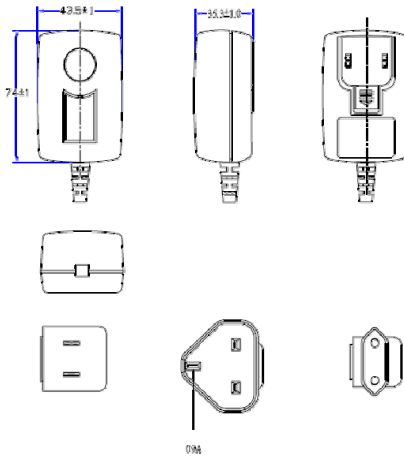
CT-122WPXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,FCC,GS,CB,CE, standard
- Efficiency meet CEC
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-122WP05	5V	2A	RCM
CT-122WP12	12V	1A	

Specification:

REV.02 2009.10.27



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	400mA
	Leakage Current	< 0.1mA
Others	Start up time	<3000mS @ Minimum AC input
	Rise time	<30mS
	Hold up time	>20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+70°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No 60950-1, GS EN60950-1,CB IEC 60950-1,	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61204-3
	EMS	EN55024, EN61204-3





ADAPTER POWER SUPPLY

AC-DC 10W/12W

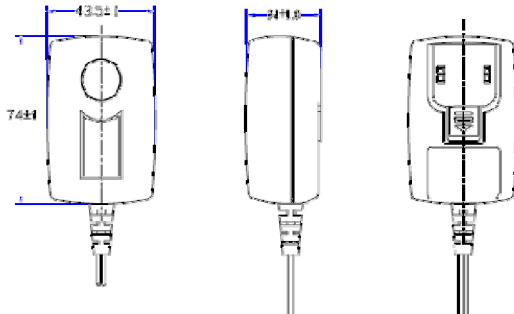
CT-122WPXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE, standard
- Efficiency meet CEC



Dimension:



Model No.	Output	Additional Safety
CT-122WP24	24V 0.5A	
CT-122WP48	48V 0.25A	



Specification:

REV.01 2009.10.12



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	400mA
	Leakage Current	< 0.1mA
Others	Start up time	<3000mS @ Minimum AC input
	Rise time	<35mS
	Hold up time	>20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+70°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No 60950-1, GS EN60950-1,CB IEC 60950-1,	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61204-3
	EMS	EN55024, EN61204-3





ADAPTER POWER SUPPLY

AC-DC 12W

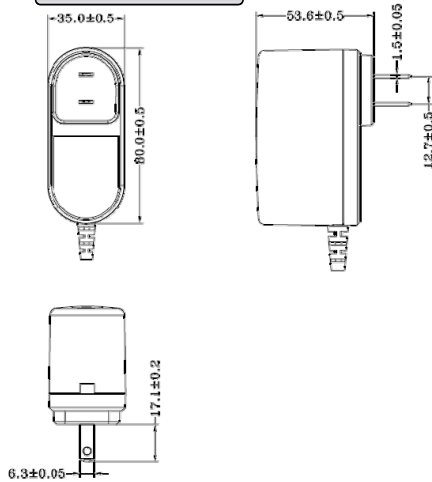
CT-123WU12

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- Meet CEC requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,CB,PSE,FCC
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-123WU05	5V	2.5	
CT-123WU12	12V	1A	

Specification:

REV.01 2009.10.26



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	<3000mS @ Minimum AC input
	Rise time	<100mS
	Hold up time	>10mS @ 110Vac/60Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,-1,IEC 60950-1	
EMC	EMI	FCC PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 12W

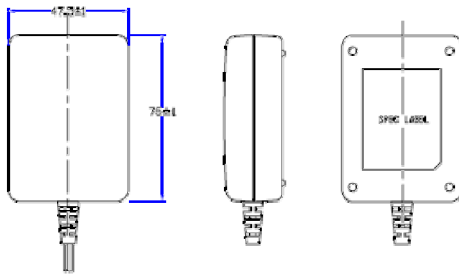
CT-124DAXX

Features:

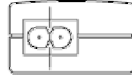
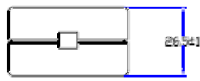
- Universal AC Input 90~264Vac
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-124DA05	5V	2.0	
CT-124DA06	6V	2.0	
CT-124DA09	9V	1.33	
CT-124DA12	12V	1.0	
CT-124DA15	15V	0.8	
CT-124DA18	18V	0.67	
CT-124DA24	24V	0.5	



Specification:

REV.01 2009.12.04



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	<5000mS @ Minimum AC input
	Rise time	<100mS
	Hold up time	>20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 12W

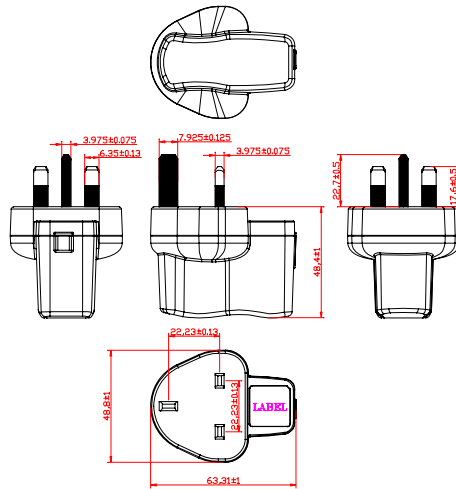
CT-12DWEXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- GS,CB,CE standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output	Additional Safety
CT-12DWE05	5V 2A	
CT-12DWE09	9V 1.5A	
CT-12DWE10	10V 1.2A	
CT-12DWE12	12V 1.0A	
CT-12DWE15	15V 0.8A	
CT-12DWE18	18V 0.67A	
CT-12DWE24	24V 0.5A	

Specification:

REV.01 2011.3.2



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C; Storage: -10~+75°C
	Humidity	Operating: 20%~85%; Storage: 10%~95%(Non Conversing)
M.T.B.F	50k Hours	
Safety	UL 60950-1, CSA C22.2 No.60950-1, EN60950-1, IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 12W

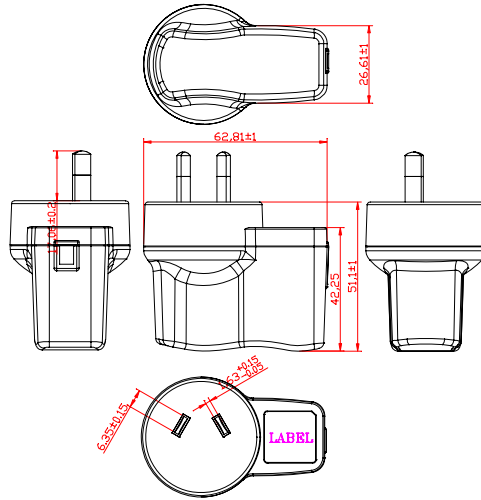
CT-12DWSXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requiemnt
- 100% burn in test
- 1 year warranty
- RCM,CB,CE standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-12DWS05	5V	2A	
CT-12DWS09	9V	1.5A	
CT-12DWS10	10V	1.2A	
CT-12DWS12	12V	1.0A	
CT-12DWS15	15V	0.8A	
CT-12DWS18	18V	0.67A	
CT-12DWS24	24V	0.5A	

Specification:

REV.01 2011.3.2



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Conversing)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

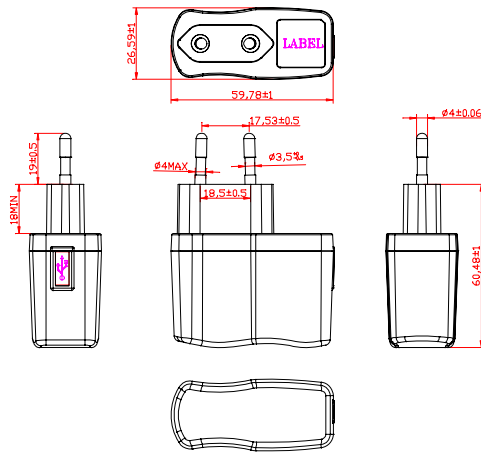
AC-DC 12W

CT-12DWTXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- GS,CB,CE standard
- Meet EPS 2.0 LEVEL V

Dimension:



Model No.	Output		Additional Safety
CT-12DWT05	5V	2A	
CT-12DWT09	9V	1.5A	
CT-12DWT10	10V	1.2A	
CT-12DWT12	12V	1.0A	
CT-12DWT15	15V	0.8A	
CT-12DWT18	18V	0.67A	
CT-12DWT24	24V	0.5A	

Specification:

REV.01 2011.3.2



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C; Storage: -10~+75°C
	Humidity	Operating: 20%~85%; Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1, CSA C22.2 No.60950-1, EN60950-1, IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15, EN55022, EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





CET TECHNOLOGY, LLC

12W - Switching Power Supplies

ADAPTER POWER SUPPLY

AC-DC 12W

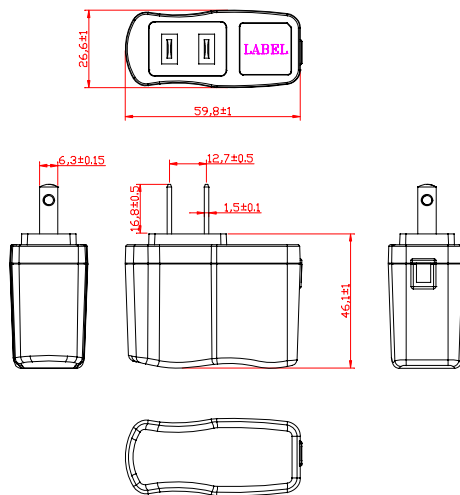
CT-12DWUXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,CB,FCC standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-12DWU05	5V	2A	
CT-12DWU09	9V	1.5A	
CT-12DWU10	10V	1.2A	
CT-12DWU12	12V	1.0A	
CT-12DWU15	15V	0.8A	
CT-12DWU18	18V	0.67A	
CT-12DWU24	24V	0.5A	

Specification:

REV.01 2011.3.2



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	300mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 15W

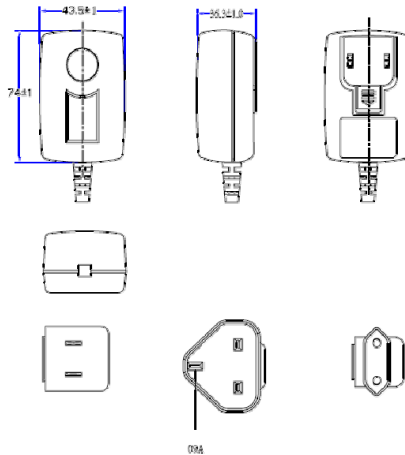
CT-154WPXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,FCC,GS,CB,CE,RCM,BSMI standard
- Meet EPS 2.0 LEVEL V



Dimension:



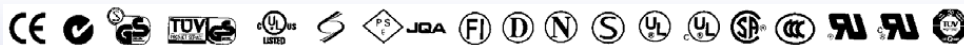
Model No.	Output		Additional Safety
CT-154WP05	5V	2.6	CCC
CT-154WP06	6V	2.5	
CT-154WP09	9V	1.7	

Specification:

REV.02 2011.3.24



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	600mA
	Leakage Current	< 0.25mA
Others	Start up time	<200mS @ Minimum AC input
	Rise time	<100mS
	Hold up time	>15mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 15W

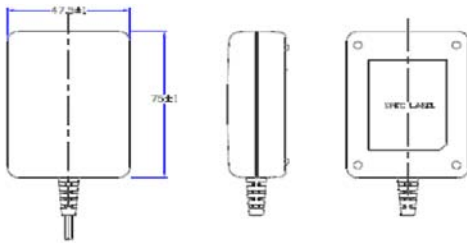
CT-165DAXX

Features:

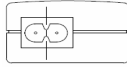
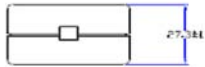
- Universal AC Input 90~264Vac
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE, IRAM standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-165DA-05	5V	2.6A	CCC
CT-165DA-12	12V	1.25A	RCM



Specification:

REV.03 2011.09.15



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	400mA
	Leakage Current	< 0.25mA
Others	Start up time	<5000mS @ Minimum AC input
	Rise time	<100mS
	Hold up time	>20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40℃;Storage: -10~+75℃
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 16W

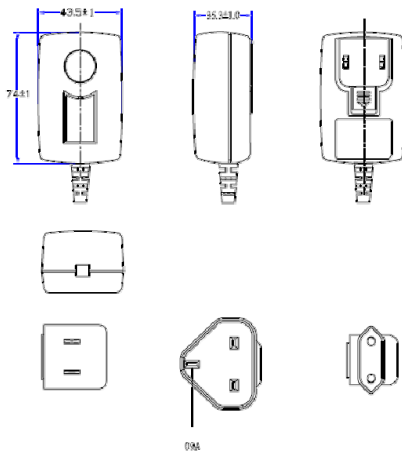
CT-163WPXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE,RCM,IRAM,CCC,BSMI,FCC standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-163WP09	9V	1.7A	
CT-163WP12	12V	1.25A	
CT-163WP15	15V	1.0A	
CT-163WP18	18V	0.84A	
CT-163WP20	20V	0.75A	
CT-163WP24	24V	0.63A	

Specification:

REV.03 2010.2.11



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	600mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 18W

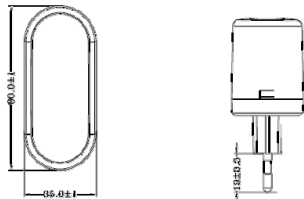
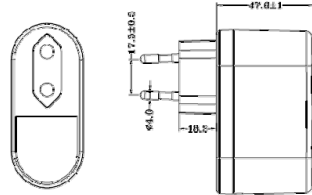
CT-182WTxx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- Meet CEC requirement
- 100% burn in test
- 1 year warranty
- GS,CE,CB
- Meet EPS 2.0 LEVEL V



Dimension:



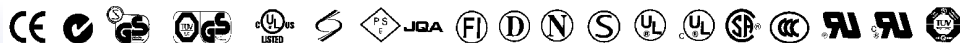
Model No.	Output	Additional Safety
CT-182WT05	5V 3.2A	
CT-182WT06	6 3A	
CT-182WT12	12V 1.5A	
CT-182WT15	15V 1.2A	

Specification:

REV.01 2010.05.31



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	500mA
	Leakage Current	< 0.25mA
Others	Start up time	< 3500mS @Rated minimum AC input
	Rise time	< 50mS
	Hold up time	>10mS @ 110Vac/60Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C ;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,IEC 60950-1	
EMC	EMI	FCC PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 18W

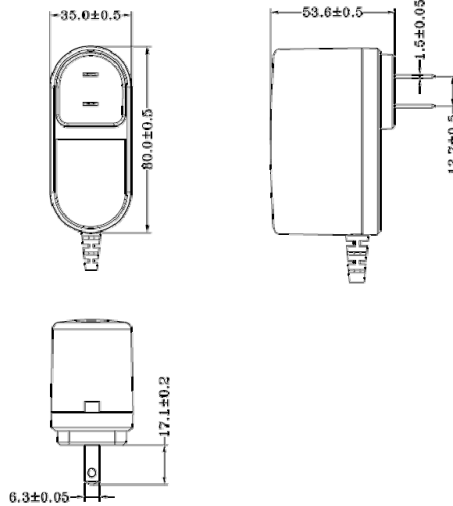
CT-182WUXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- Meet CEC requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,CB,PSE,FCC
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output	Additional Safety
CT-182WU05	5V 3.2A	
CT-182WU06	6 3A	
CT-182WU12	12V 1.5A	
CT-182WU15	15V 1.2A	

Specification:

REV.01 2010.05.31



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	500mA
	Leakage Current	< 0.25mA
Others	Start up time	< 3500mS @Rated minimum AC input
	Rise time	< 50mS
	Hold up time	> 10mS @ 110Vac/60Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,IEC 60950-1	
EMC	EMI	FCC PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 18W

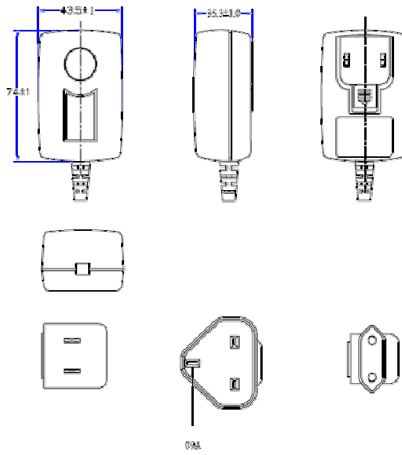
CT-183WPXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE,RCM,IRAM,CCC,BSMI,FCC standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-183WP09	9V	2A	
CT-183WP12	12V	1.5A	
CT-183WP15	15V	1.2A	
CT-183WP18	18V	1.0A	
CT-183WP20	20V	0.9A	
CT-183WP24	24V	0.75A	

Specification:

REV.03 2010.2.11



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	600mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C ;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 18W

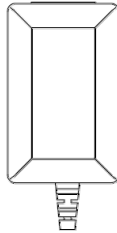
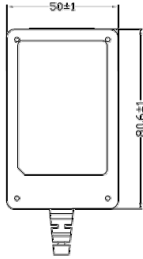
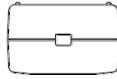
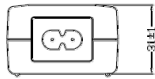
CT-186DAXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,FCC,GS,CB,CE PSE standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-186DA05	5V	3.6A	
CT-186DA05A	5V	3A	
CT-186DA06	6V	3A	
CT-186DA12	12V	1.5A	
CT-186DA15	15V	1.2A	

Specification:

REV.01 2009.10.05



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	500mA
	Leakage Current	< 0.25mA
Others	Start up time	<3000mS @ Minimum AC input
	Rise time	<100mS
	Hold up time	>20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 18W

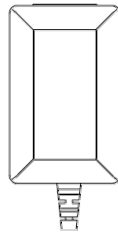
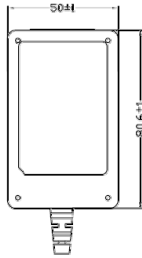
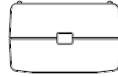
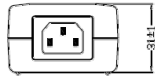
CT-186DBXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,FCC,GS,CB,CE PSE,RCM standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-186DB05	5V	3.6A	
CT-186DB05A	5V	3A	
CT-186DB06	6V	3A	
CT-186DB12	12V	1.5A	
CT-186DB15	15V	1.2A	

Specification:

REV.02 2010.06.18



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	500mA
	Leakage Current	< 3.5mA
Others	Start up time	<3000mS @ Minimum AC input
	Rise time	<100mS
	Hold up time	>20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 18W

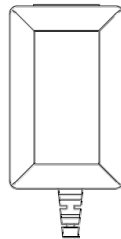
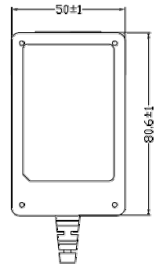
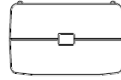
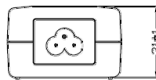
CT-186DNXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,FCC,GS,CB,CE PSE,RCM standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output	Additional Safety
CT-186DN05	5V 3.6A	
CT-186DN05A	5V 3A	
CT-186DN06	6V 3A	
CT-186DN12	12V 1.5A	
CT-186DN15	15V 1.2A	

Specification:

REV.02 2010.06.18



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	500mA
	Leakage Current	<3.5mA
Others	Start up time	<3000mS @ Minimum AC input
	Rise time	<100mS
	Hold up time	>20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C ;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 20W

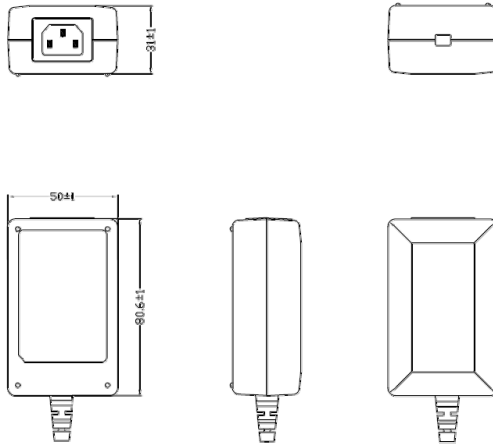
CT-204DBXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,FCC,GS,CB,CE,RCM, PSE, standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output	Additional Safety
CT-204DB05	5V 4A	

Specification:

REV.02 2010.10.18



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	500mA
	Leakage Current	< 3.5mA
Others	Start up time	<3000mS @ Minimum AC input
	Rise time	<100mS
	Hold up time	>20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Conversing)
M.T.B.F		50k Hours
Safety		UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 24W

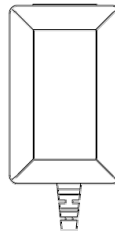
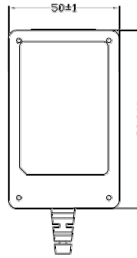
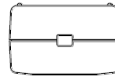
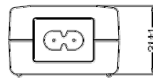
CT-242DAXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,FCC,GS,CB,CE PSE standard



Dimension:



Model No.	Output		Additional Safety
CT-242DA10	10V	2.0A	
CT-242DA12	12V	2.0A	
CT-242DA15	15V	1.6A	
CT-242DA16	16V	1.5A	
CT-242DA24	24V	1.0A	

Specification:

REV.01 2009.11.11



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	800mA
	Leakage Current	< 0.25mA
Others	Start up time	<2000mS @ Minimum AC input
	Rise time	<20mS
	Hold up time	>20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 24W

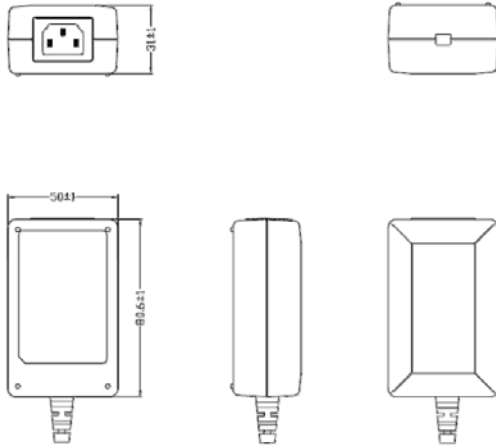
CT-242DBXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,FCC,GS,CB,CE PSE,BSMI standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-242DB10	10V	2.0A	
CT-242DB12	12V	2.0A	CCC
CT-242DB15	15V	1.6A	
CT-242DB16	16V	1.5A	
CT-242DB24	24V	1.0A	

Specification:

REV.02 2010.5.25



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	800mA
	Leakage Current	< 3.5mA
Others	Start up time	<2000mS @ Minimum AC input
	Rise time	<20mS
	Hold up time	>20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40℃;Storage: -10~+75℃
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Conversing)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 24W

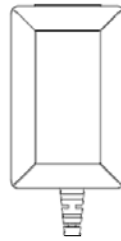
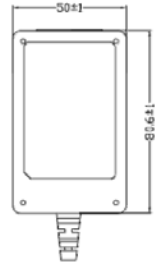
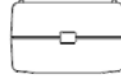
CT-242DNXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,FCC,GS,CB,CE PSE,BSMI standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-242DN10	10V	2.0A	
CT-242DN12	12V	2.0A	CCC
CT-242DN15	15V	1.6A	
CT-242DN16	16V	1.5A	
CT-242DN24	24V	1.0A	

Specification:

REV.02 2010.5.25



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	800mA
	Leakage Current	<3.5mA
Others	Start up time	<2000mS @ Minimum AC input
	Rise time	<20mS
	Hold up time	>20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40℃;Storage: -10~+75℃
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Conversing)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 24W

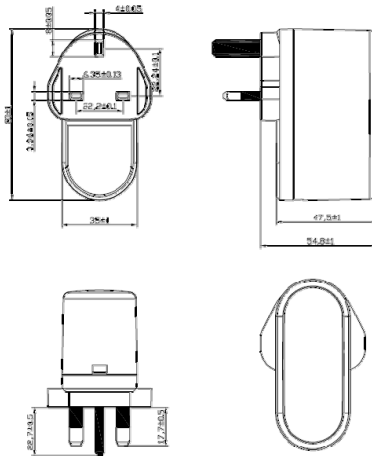
CT-242WExx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- Meet CEC requirement
- 100% burn in test
- 1 year warranty
- GS, CE,CB
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output	Additional Safety
CT-242WE10	10V 2.0A	
CT-242WE12	12V 2.0A	
CT-242WE15	15V 1.6A	
CT-242WE16	16V 1.5A	
CT-242WE24	24V 1.0A	

Specification:

REV.01 2010.09.17



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	800mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @Rated minimum AC input
	Rise time	< 50mS
	Hold up time	>10mS @ 110Vac/60Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,-1,IEC 60950-1	
EMC	EMI	FCC PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 24W

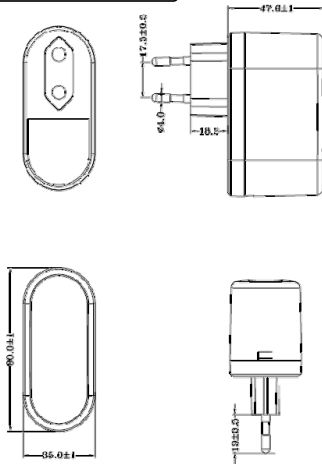
CT-242WTxx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- Meet CEC requirement
- 100% burn in test
- 1 year warranty
- GS,CE,CB
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-242WT10	10V	2.0A	
CT-242WT12	12V	2.0A	
CT-242WT15	15V	1.6A	
CT-242WT16	16V	1.5A	
CT-242WT24	24V	1.0A	

Specification:

REV.01 2010.01.15



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	800mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @Rated minimum AC input
	Rise time	< 50mS
	Hold up time	>10mS @ 110Vac/60Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,-1,IEC 60950-1	
EMC	EMI	FCC PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 24W

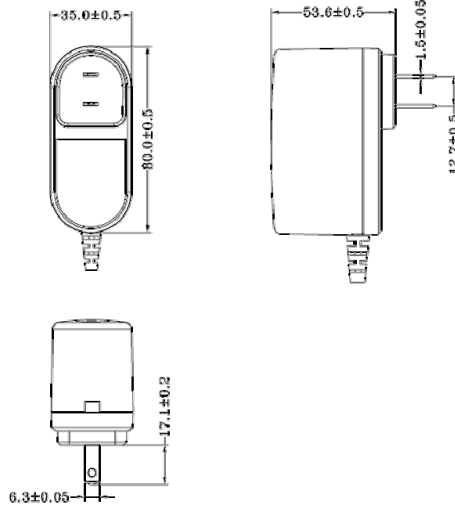
CT-242WUXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- Meet CEC requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,CB,PSE,FCC
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output	Additional Safety
CT-242WU10	10V 2.0A	
CT-242WU12	12V 2.0A	
CT-242WU15	15V 1.6A	
CT-242WU16	16V 1.5A	
CT-242WU24	24V 1.0A	

Specification:

REV.01 2010.01.15



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	800mA
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @Rated minimum AC input
	Rise time	< 50mS
	Hold up time	>10mS @ 110Vac/60Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C ;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,-1,IEC 60950-1	
EMC	EMI	FCC PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC MINI 30W

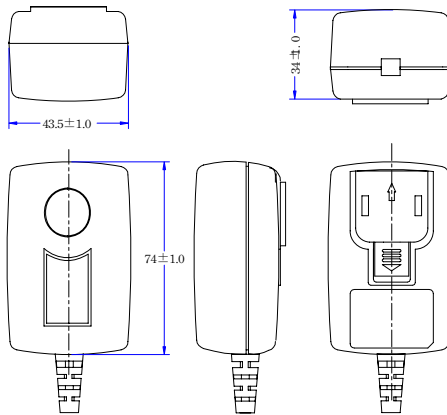
CT-303WPX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE,FCC,CCC,BSMI standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-303WP12	12V	2.5	
CT-303WP19	19V	1.57	
CT-303WP20	20V	1.5	
CT-303WP24	24V	1.25	

Specification:

REV.02 2009.9.10



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	1A
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 30W

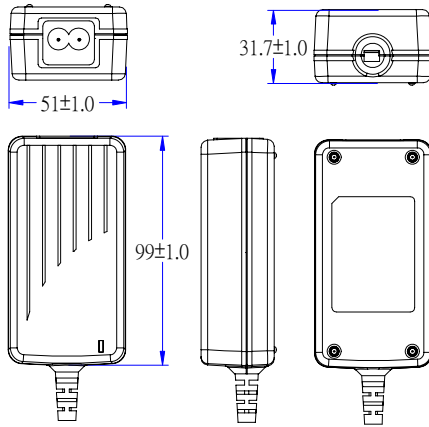
CT-304DAXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE,FCC standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-304DA08	8V	3.75A	
CT-304DA09	9V	3.34A	
CT-304DA12	12V	2.5A	

Specification:

REV.01 2010 2.24



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	800mA
	Leakage Current	< 0.25mA
	Start up time	< 2000mS @ Minimum AC input
Others	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%
M.T.B.F	50k Hours	
Safety	UL 60950-1/CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC MINI 40W

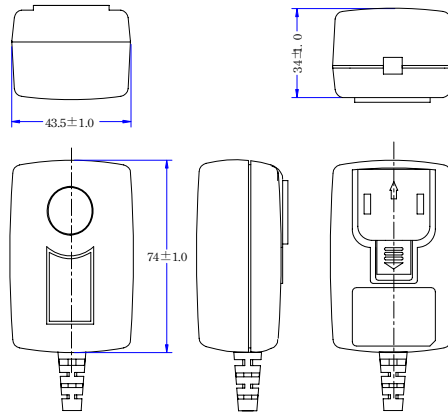
CT-401WPXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE,CCC,BSMI,FCC standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-401WP12	12V	3A	
CT-401WP19	19V	2.1A	
CT-401WP20	20V	2.0A	
CT-401WP24	24V	1.67A	

Specification:

REV.02 2009.9.10



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	1A
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C ;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Conversing)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC MINI 40W

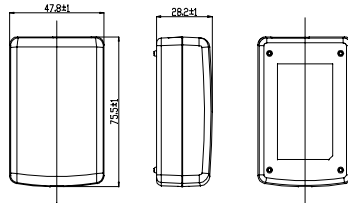
CT-403DAXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE,FCC standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-403DA12	12V	3.3A	,CCC,BSMI
CT-403DA19	19V	2.1A	,CCC,BSMI
CT-403DA20	20V	2.0A	,CCC,BSMI
CT-403DA24	24V	1.7A	,CCC,BSMI
CT-403DA48	48V	085A	



Specification:

REV.03 2010.9.16



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	1A
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Conversing)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 40W

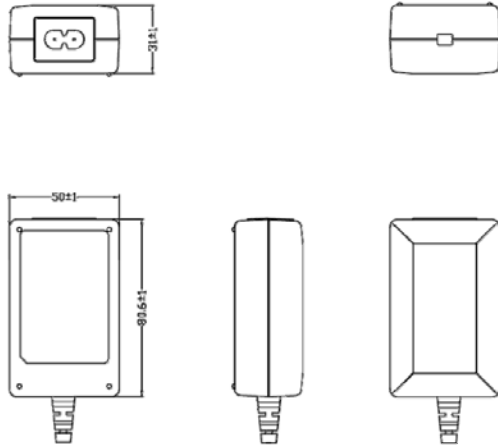
CT-407DAXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,FCC,GS,CB,CE standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-407DA08	8 V	3 A	
CT-407DA09	9 V	3 A	
CT-407DA12A	12 V	3 A	
CT-407DA12	12 V	3.3 A	
CT-407DA15	15 V	2.7 A	
CT-407DA19	19 V	2.1 A	
CT-407DA24	24 V	1.67 A	
CT-407DA36	36 V	1.1 A	
CT-407DA48	48 V	0.83 A	

Specification:

2011.7.28 REV.01



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	1.0A
	Leakage Current	< 0.25mA
Others	Start up time	<2000mS @ Minimum AC input
	Rise time	<20mS
	Hold up time	>20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non condensing)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	Emission	FCC PART 15 , Subpart B, Class B EN55022 , EN61000-3
	Immunity	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 40W

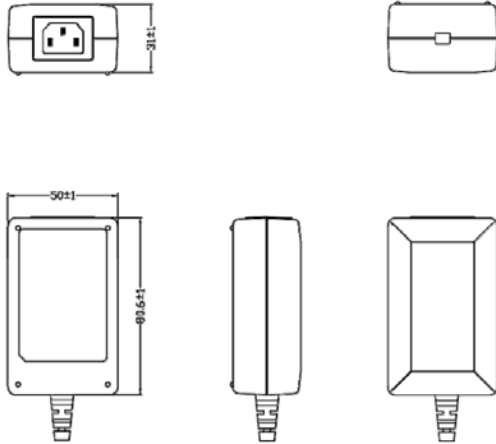
CT-407DBXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,FCC,GS,CB,CE standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-407DB08	8 V	3 A	
CT-407DB09	9 V	3 A	
CT-407DB12A	12 V	3 A	
CT-407DB12	12 V	3.3 A	
CT-407DB15	15 V	2.7 A	
CT-407DB19	19 V	2.1 A	
CT-407DB24	24 V	1.67 A	
CT-407DB36	36 V	1.1 A	
CT-407DB48	48 V	0.83 A	

Specification:

2011.7.28 REV.01



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	1.0A
	Leakage Current	< 3.5mA
Others	Start up time	<2000mS @ Minimum AC input
	Rise time	<20mS
	Hold up time	>20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non condensing)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	Emission	FCC PART 15 , Subpart B, Class B EN55022 , EN61000-3
	Immunity	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 40W

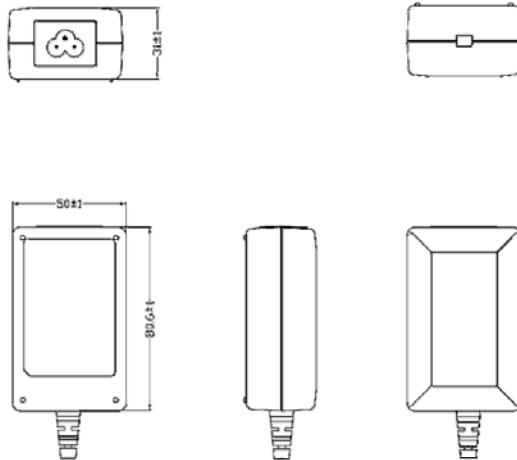
CT-407DNXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,FCC,GS,CB,CE standard
- Meet EPS 2.0 LEVEL V



Dimension:



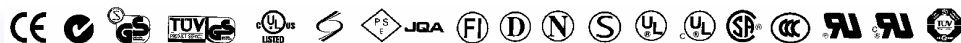
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CT-407DN09	9 V	3 A	
CT-407DN12A	12 V	3 A	
CT-407DN12	12 V	3.3 A	
CT-407DN15	15 V	2.7 A	
CT-407DN19	19 V	2.1 A	
CT-407DN24	24 V	1.67 A	
CT-407DN36	36 V	1.1 A	
CT-407DN48	48 V	0.83 A	

Specification:

2011.7.28 REV.01



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	1.0A
	Leakage Current	<3.5mA
Others	Start up time	<2000mS @ Minimum AC input
	Rise time	<20mS
	Hold up time	>20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non condensing)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	Emission	FCC PART 15, Subpart B, Class B EN55022, EN61000-3
	Immunity	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 50W

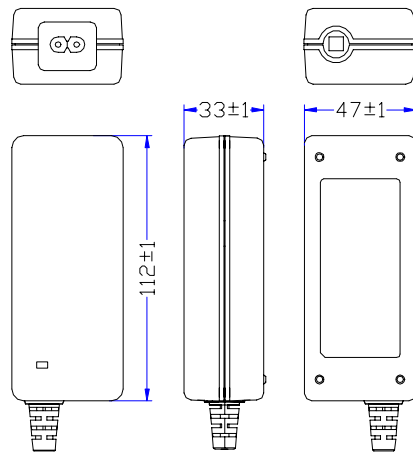
CT-505DAxx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE,FCC standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-505DA05	5 V	6.5 A	
CT-505DA06	5.95 V	6 A	
CT-505DA09A	9 V	4 A	
CT-505DA09	9 V	5 A	
CT-505DA12	12 V	4.2 A	
CT-505DA15	15 V	3.34 A	
CT-505DA19	19 V	2.64 A	
CT-505DA24	24 V	2.08 A	

Specification:

REV.01 2011.8.12



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	1.2A
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C ;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non condensing)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	Emission	FCC PART 15 , Subpart B, Class B EN55022 , EN61000-3
	Immunity	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 50W

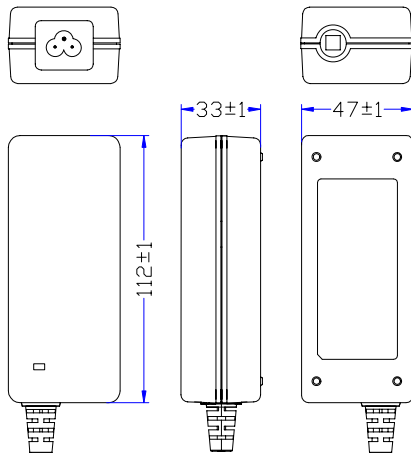
CT-505DNxx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE,FCC standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-505DN05	5 V	6.5 A	
CT-505DN06	5.95 V	6 A	
CT-505DN09A	9 V	4 A	
CT-505DN09	9 V	5 A	
CT-505DN12	12 V	4.2 A	
CT-505DN15	15 V	3.34 A	
CT-505DN19	19 V	2.64 A	
CT-505DN24	24 V	2.08 A	

Specification:

REV.01 2011.8.12



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	1.2A
	Leakage Current	< 3.5mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non condensing)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	Emission	FCC PART 15 , Subpart B, Classs B EN55022 , EN61000-3
	Immunity	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 60-65W

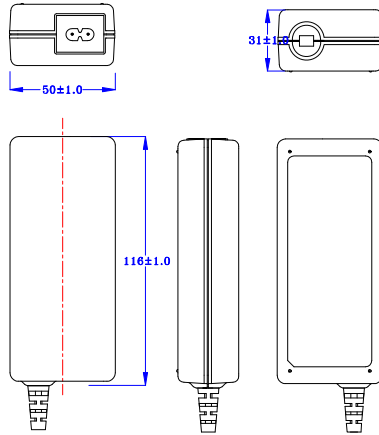
CT-602DAxx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE,FCC standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-602DA12	12V	5A	
CT-602DA19	19V	3.42A	PSE
CT-602DA24	24V	2.7A	PSE
CT-602DA48	48V	1.25A	

Specification:



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	1.5A
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 30mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%
M.T.B.F	50k Hours	
Safety	UL 60950-1/CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 60W

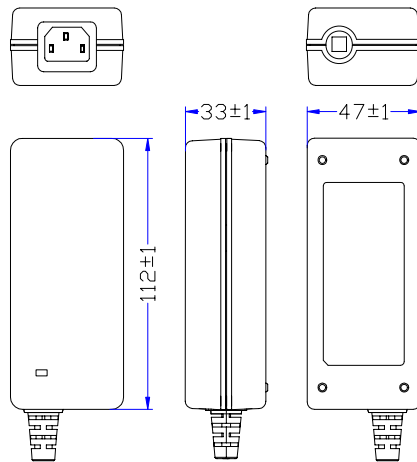
CT-603DBxx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE,FCC,PSE,RCM
CCC,GOST,BSMI standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-603DB12	12V	5A	KC
CT-603DB19	19V	3.42A	
CT-603DB24	24V	2.7A	

Specification:

REV.07 2011.08.23



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	1.5A
	Leakage Current	< 3.5mA
Others	Start up time	< 200mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non condensing)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	Emission	FCC PART 15 , Subpart B, Class B EN55022 , EN61000-3
	Immunity	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 60W

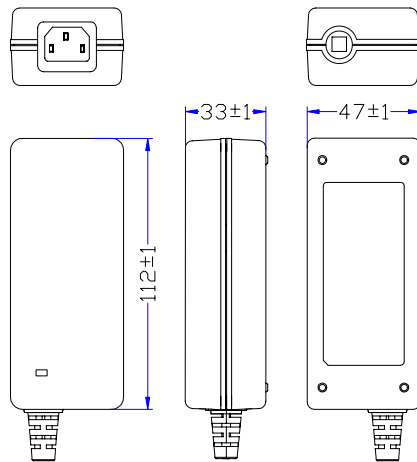
CT-603DBxx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE,FCC,PSE,RCM
CCC,GOST,BSMI standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-603DB12	12V	5A	KC
CT-603DB19	19V	3.42A	
CT-603DB24	24V	2.7A	

Specification:

REV.07 2011.08.23



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	1.5A
	Leakage Current	< 3.5mA
Others	Start up time	< 200mS @ Minimum AC input
	Rise time	< 20mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non condensing)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	Emission	FCC PART 15 , Subpart B, Class B EN55022 , EN61000-3
	Immunity	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 90W

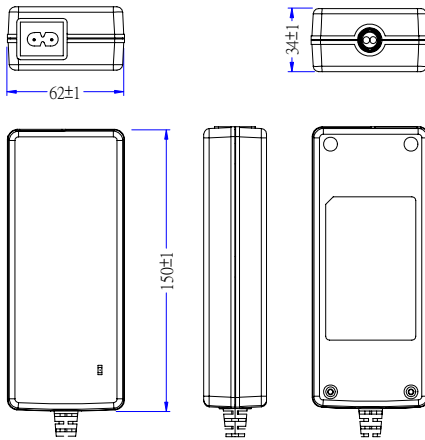
CT-902DAxx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE,FCC standard
- EFFICIENCY LEVEL IV



Dimension:



Model No.	Output	Additional Safety
CT-902DA12	12V 7.5A	
CT-902DA19	19V 4.74A	
CT-902DA24	24V 3.75A	

Specification:



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	1.5A
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 50mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%
M.T.B.F	50k Hours	
Safety	UL 60950-1/CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC90W

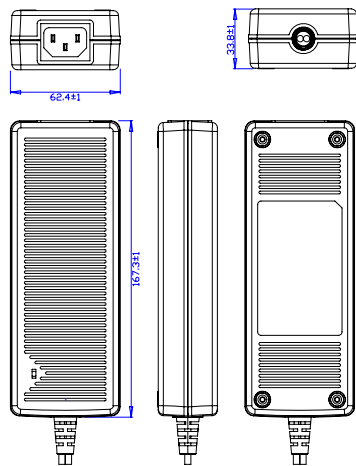
CT-902DBxx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE,FCC standard
- EFFICIENCY LEVEL IV



Dimension:



Model No.	Output		Additional Safety
CT-902DB12	12V	7.5A	
CT-902DB19	19V	4.74A	
CT-902DB24	24V	3.75A	

Specification:



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	1.5 A
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 50mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C ;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%
M.T.B.F	50k Hours	
Safety	UL 60950-1/CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 90W

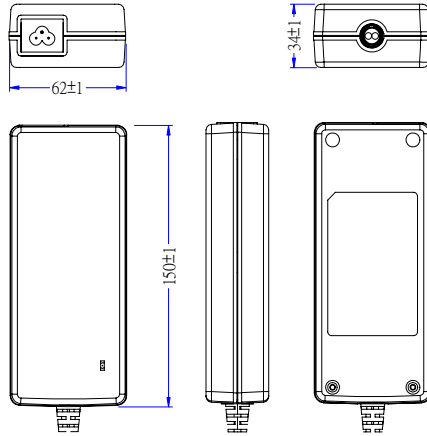
CT-902DNxx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE,FCC standard
- EFFICIENCY LEVEL IV



Dimension:



Model No.	Output		Additional Safety
CT-902DN12	12V	7.5A	
CT-902DN19	19V	4.74A	
CT-902DN24	24V	3.75A	

Specification:



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	1.5 A
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 50mS
	Hold up time	>20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%
M.T.B.F		50k Hours
Safety		UL 60950-1/CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 90W

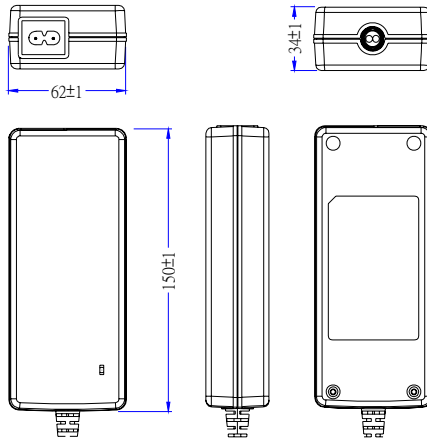
CT-903DAxx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE,FCC standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-903DA12	12V	7.5A	
CT-903DA19	19V	4.74A	
CT-903DA24	24V	3.75A	
CT-903DA48	48V	1.875A	

Specification:



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	1.5 A
	Leakage Current	< 0.25mA
Others	Start up time	< 2000mS @ Minimum AC input
	Rise time	< 50mS
	Hold up time	> 20mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C; Storage: -10~+75°C
	Humidity	Operating: 20%~85%; Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1/CSA C22.2 No.60950-1,EN60950-1,IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 120W

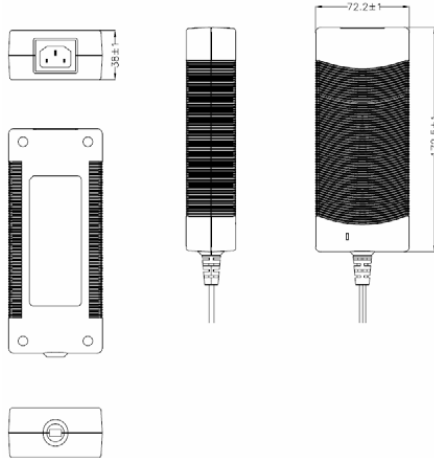
CT-1C2DBxx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE,FCC standard



Dimension:



Model No.	Output	Additional Safety
CT-1C2DB12	12V 8.33A	
CT-1C2DB15	15V 8.0A	
CT-1C2DB18	18V 6.66A	
CT-1C2DB19	19V 6.31A	
CT-1C2DB24	24V 5.0A	
CT-1C2DB48	48V 2.5A	

Specification:

REV.01 2009.9.2



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	1.8A MAX
	Leakage Current	< 3.5mA
Others	Start up time	<5000mS @ Minimum AC input
	Rise time	<100mS
	Hold up time	>10mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C ;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1/60065,CSA C22.2 No.60950-1/60065,EN60950-1/60065,IEC 60950-1/60065	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 120W

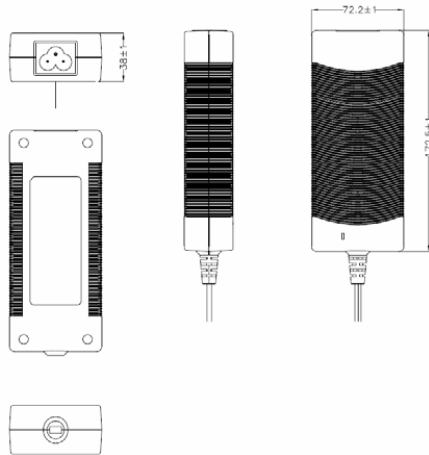
CT-1C2DNxx

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE,FCC standard



Dimension:



Model No.	Output		Additional Safety
CT-1C2DN12	12V	8.33A	
CT-1C2DN15	15V	8.0A	
CT-1C2DN18	18V	6.66A	
CT-1C2DN19	19V	6.31A	
CT-1C2DN24	24V	5.0A	
CT-1C2DN48	48V	2.5A	

Specification:

REV.01 2009.9.2



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	1.8A MAX
	Leakage Current	< 3.5mA
Others	Start up time	<5000mS @ Minimum AC input
	Rise time	<100mS
	Hold up time	>10mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1/60065,CSA C22.2 No.60950-1/60065,EN60950-1/60065,IEC 60950-1/60065	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 120W

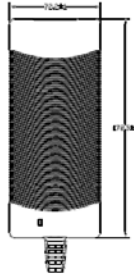
CT-1F3DBXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CE,FCC standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-1F3DB12	12V	10A/8.33A	
CT-1F3DB15	15V	8A	
CT-1F3DB16	16V	7.5A	
CT-1F3DB18	18V	6.66A	
CT-1F3DB19	19V	6.31A	

Specification:

REV.01 2011.3.2



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	2.0A MAX
	Leakage Current	< 3.5mA
Others	Start up time	<3000mS @ Minimum AC input
	Rise time	<50mS
	Hold up time	>10mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1/EN60950-1/IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 120W

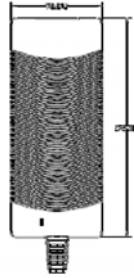
CT-1F3DNXX

Features:

- Universal AC Input 90~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CE,FCC standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-1F3DN12	12V	10A/8.33A	
CT-1F3DN15	15V	8A	
CT-1F3DN16	16V	7.5A	
CT-1F3DN18	18V	6.66A	
CT-1F3DN19	19V	6.31A	

Specification:

REV.01 2011.3.2



Input	Voltage	AC 90V~264V Universal full range
	Frequency	47-63Hz
	Current	2.0A MAX
	Leakage Current	< 3.5mA
Others	Start up time	<3000mS @ Minimum AC input
	Rise time	<50mS
	Hold up time	>10mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1/EN60950-1/IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 150W

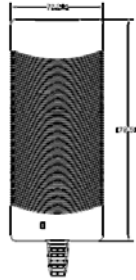
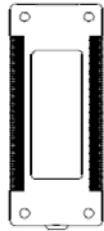
CT-1F3DB24

Features:

- Universal AC Input 99~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE,FCC standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output		Additional Safety
CT-1F3DB24	24V	6.25A	

Specification:

REV.01 2011.3.2



Input	Voltage	AC 99V~264V Universal full range
	Frequency	47-63Hz
	Current	2.0A MAX
	Leakage Current	< 3.5mA
Others	Start up time	<3000mS @ Minimum AC input
	Rise time	<50mS
	Hold up time	>10mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1/EN60950-1/IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





ADAPTER POWER SUPPLY

AC-DC 150W

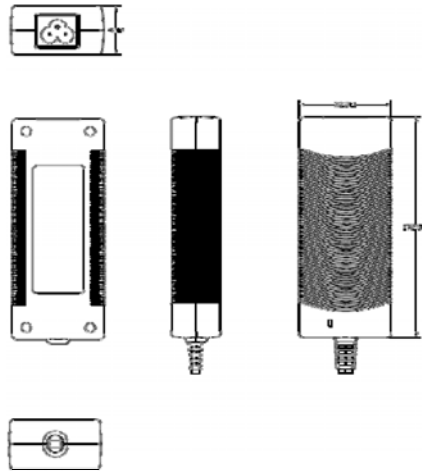
CT-1F3NB24

Features:

- Universal AC Input 99~264Vac
- Low ripple noise
- No minimum load requirement
- 100% burn in test
- 1 year warranty
- UL,cUL,GS,CB,CE,FCC standard
- Meet EPS 2.0 LEVEL V



Dimension:



Model No.	Output	Additional Safety
CT-1F3DN24	24V 6.25A	

Specification:

REV.01 2011.3.2



Input	Voltage	AC 99V~264V Universal full range
	Frequency	47-63Hz
	Current	2.0A MAX
	Leakage Current	< 3.5mA
Others	Start up time	<3000mS @ Minimum AC input
	Rise time	<50mS
	Hold up time	>10mS @ 230Vac/50Hz input
	Cooling	Natural Cooling
Environment	Temperature	Operating: 0~40°C;Storage: -10~+75°C
	Humidity	Operating: 20%~85%;Storage: 10%~95%(Non Converting)
M.T.B.F	50k Hours	
Safety	UL 60950-1,CSA C22.2 No.60950-1/EN60950-1/IEC 60950-1	
EMC	EMI	FCC CFR 47 PART 15 , EN55022 , EN61000-3
	EMS	EN55024(EN61204-3) EN61000-4





TYPE	DIMENSIONS (mm) Max.	Structure	INDUCTANCE RANGE	RATED DC CURRENT	SMT / THT
	(L)x(W)x(Ht)				
New					
CTSQH3D11CS	4.0x4.0x1.2	Shielded Geschirmt		530mA~2000mA	SMT
CTSQH3D16CS	4.0x4.0x1.8	Shielded Geschirmt		460mA~2000mA	SMT
CTSQH4D14CS	5.0x5.0x1.5	Shielded Geschirmt		510mA~2.25A	SMT
CTSQH4D18CS	5.0x5.0x2.0	Shielded Geschirmt		140mA~1.72A	SMT
CTSQH4D22CS	5.0x5.0x2.4	Shielded Geschirmt		480mA~4.2A	SMT
CTSQH4D28CS	5.0x5.0x3.0	Shielded Geschirmt		220mA~2.56A	SMT
CTSQH5040CS	5.0x5.0x4.0	Shielded Geschirmt		680mA~13.00A	SMT
CTSQH6020CS	6.0x6.0x2.0	Shielded Geschirmt		360mA~1.95A	SMT
CTSQH5D18CS	6.0x6.0x3.0	Shielded Geschirmt		420mA~2.60A	SMT
CTSQH5D28CS	7.0x7.0x3.0	Shielded Geschirmt		0.54A~3.0A	SMT
CTSQH6D28CS	7.6x7.6x3.55	Shielded Geschirmt		0.25A~14.4A	SMT
CTSQH73HCS	7.0x7.0x4.0	Shielded Geschirmt		0.65A~3.5A	SMT
CTSQH6D38CS	7.6x7.6x4.5	Shielded Geschirmt		0.31A~18.4A	SMT
CTSQH74HCS	10.3x10.5x4.0	Shielded Geschirmt		0.70A~10.0A	SMT
CTSQH104CS	10.3x10.5x5.1	Shielded Geschirmt		0.42A~9.5A	SMT
CTSQH1105CS	10.3x10.5x4.5	Shielded Geschirmt		0.53A~24.4A	SMT
CTSQH125CS	12.5x12.5x6.0	Shielded Geschirmt		0.40A~8.0A	SMT
CTSQH127CS	12.5x12.5x8.0	Shielded Geschirmt		0.55A~9.8A	SMT





TYPE	DIMENSIONS (mm) Max.	Structure	INDUCTANCE RANGE	RATED DC CURRENT	SMT / THT
Size : 2x2	(L)x(W)x(Ht)				
CTSQH2012S	2.1x2.1x1.2	Shielded Geschirmt		1.10A~1.90A	SMT
Size : 2.5x2	(L)x(W)x(Ht)				
CTSQH2512S	2.7x2.2x1.2	Shielded Geschirmt		0.85A~1.00A	SMT
Size : 3x3	(L)x(W)x(Ht)				
CTSQH3010S	3.1x3.1x1.0	Shielded Geschirmt		0.22A~1.30A	SMT
CTSQH3010SHP	3.1x3.1x1.0	Shielded Geschirmt		0.38A~1.70A	SMT
CTSQH3012S	3.1x3.1x1.2	Shielded Geschirmt		0.25A~1.50A	SMT
CTSQH3012SHP	3.1x3.1x1.2	Shielded Geschirmt		0.50A~2.20A	SMT
CTSQH3015S	3.1x3.1x1.5	Shielded Geschirmt		0.32A~2.10A	SMT
CTSDR31	3.8x3.3x1.45			0.10A~1.00A	SMT
CTSDR32	3.8x3.3x2.5			0.28A~2.08A	SMT
CTSDC2D09	3.2x3.2x1.0	Shielded Geschirmt		0.28A~0.80A	SMT
CTSDC2D11	3.2x3.2x1.2	Shielded Geschirmt		350mA~900mA	SMT
CTSDC2D11HF	3.2x3.2x1.2	Shielded Geschirmt		520mA~1300mA	SMT
CTSDC2D14	3.2x3.2x1.55	Shielded Geschirmt		620mA~1800mA	SMT
CTSDC2D14HF	3.2x3.2x1.6	Shielded Geschirmt		100mA~2000mA	SMT
CTSDC2D18LC	3.2x3.2x2.0	Shielded Geschirmt		200mA~850mA	SMT
CTSDC2D18HF	3.2x3.2x2.0	Shielded Geschirmt		700mA~1850mA	SMT





TYPE	DIMENSIONS (mm) Max.	Structure	INDUCTANCE RANGE	RATED DC CURRENT	SMT/THT
Size : 4x4	(L)x(W)x(Ht)				SMT
CTSQH4010S 	4.2x4.2x1.0	Shielded Geschirmt		0.24A~1.80A	SMT
CTSQH4012S 	4.2x4.2x1.2	Shielded Geschirmt		0.35A~2.50A	SMT
CTSQH4018S 	4.2x4.2x1.8	Shielded Geschirmt		0.27A~4.00A	SMT
CTSDR43 	4.8x4.3x3.7			0.37A~2.56A	SMT
CTSDC3D11 	4.0x4.0x1.2	Shielded Geschirmt		140mA~530mA	SMT
CTSDC3D11HP 	4.0x4.0x1.2	Shielded Geschirmt		530mA~2000mA	SMT
CTSDC3D14HPS 	4.0x4.0x1.5	Shielded Geschirmt		650mA~2600mA	SMT
CTSDC3D14HP 	4.0x4.0x1.5	Shielded Geschirmt		650mA~2600mA	SMT
CTSDC3D14LD 	4.0x4.0x1.5	Shielded Geschirmt		250mA~1500mA	SMT
CTSDC3D16 	4.0x4.0x1.8	Shielded Geschirmt		320mA~1500mA	SMT
CTSDC3D16HP 	4.0x4.0x1.8	Shielded Geschirmt		460mA~2000mA	SMT
CTSDC3D18 	4.0x4.0x2.0	Shielded Geschirmt		400mA~2800mA	SMT
CTSDC3D28 	4.0x4.0x3.0	Shielded Geschirmt		280mA~2000mA	SMT
CTSDC3D28LD 	4.0x4.0x3.0	Shielded Geschirmt		116mA~500mA	SMT
CTSDS4012D 	4.2x4.3x1.2	Shielded Geschirmt		390mA~2000mA	SMT
CTSDS4015D 	4.2x4.3x1.5	Shielded Geschirmt		350mA~2300mA	SMT
CTSDS4018D 	4.2x4.3x1.8	Shielded Geschirmt		400mA~2700mA	SMT
CTSDS4012E 	4.4x4.4x1.25	Shielded Geschirmt		500mA~3000mA	SMT





TYPE	DIMENSIONS (mm) Max.	Structure	INDUCTANCE RANGE	RATED DC CURRENT	SMT / THT
Size : 4x4		(L)x(W)x(Ht)	0 10 100 1,000		
	4.4x4.4x1.6	Shielded Geschirmt	1.0uH 47uH	520mA~3000mA	SMT
	4.4x4.4x1.8	Shielded Geschirmt	1.0uH 68uH	400mA~3200mA	SMT
	(L)x(W)x(Ht)	Structure	0 10 100 1,000	RATED DC CURRENT	SMT / THT
	5.2x5.2x1.0	Shielded Geschirmt	1.0uH 22uH	0.55A~2.35A	SMT
	5.2x5.2x1.2	Shielded Geschirmt	1.0uH 15uH	1.20A~4.50A	SMT
	5.2x5.2x1.4	Shielded Geschirmt	1.2uH 10uH	1.40A~3.80A	SMT
	5.2x5.2x2.0	Shielded Geschirmt	1.0uH 22uH	0.90A~4.00A	SMT
	5.2x5.2x2.4	Shielded Geschirmt	1.0uH 33uH	1.00A~5.80A	SMT
	5.2x5.2x4.1	Shielded Geschirmt	1.5uH 47uH	1.10A~6.00A	SMT
	5.2x5.2x2.0	Shielded Geschirmt	1.2uH 100uH	230mA~2.15A	SMT
	5.2x5.2x3	Shielded Geschirmt	1.1uH 100uH	430mA~3.87A	SMT
	5.0x5.0x1.5	Shielded Geschirmt	2.2uH 68uH	280mA~1.60A	SMT
	5.0x5.0x1.5	Shielded Geschirmt	1.8uH 33uH	510mA~2.25A	SMT
	5.0x5.0x2.0	Shielded Geschirmt	1.0uH 180uH	140mA~1.72A	SMT
	5.0x5.0x2.4	Shielded Geschirmt	1.5uH 150uH	210mA~2.0A	SMT
	5.0x5.0x2.4	Shielded Geschirmt	1.2uH 100uH	480mA~4.2A	SMT
	5.0x5.0x3.0	Shielded Geschirmt	1.2uH 180uH	220mA~2.56A	SMT
	5.0x5.0x4.0	Shielded Geschirmt	0.22uH 100uH	680mA~13.00A	SMT





TYPE	DIMENSIONS (mm) Max.	Structure	INDUCTANCE RANGE	RATED DC CURRENT	SMT / THT
Size : 6x6	(L)x(W)x(Ht)				
 CTSQH6010S	6.2x6.2x1.0	Shielded Geschirmt		1.65A~2.40A	SMT
 CTSQH6012S	6.2x6.2x1.2	Shielded Geschirmt		0.35A~2.10A	SMT
 CTSQH6014S	6.2x6.2x1.4	Shielded Geschirmt		0.95A~4.10A	SMT
 CTSQH6020S	6.2x6.2x2.0	Shielded Geschirmt		1.05A~5.50A	SMT
 CTSQH6028S	6.2x6.2x2.8	Shielded Geschirmt		0.62A~6.60A	SMT
 CTSQH6045S	6.2x6.2x4.5	Shielded Geschirmt		0.80A~8.50A	SMT
 CTSQH6045CS	6.4x6.2x4.5	Shielded Geschirmt		0.54A~5.70A	SMT
 CTSDH1608X	6.6x4.45x2.92			0.1A~2.9A	SMT
 CTSDO1608	6.6x4.45x2.92			0.1A~2.9A	SMT
 CTSDS1608X	6.6x4.45x2.92	Shielded Geschirmt		20mA~3A	SMT
 CTSDS1608	6.6x4.45x2.92	Shielded Geschirmt		20mA~3A	SMT
 CTSDT1608	6.6x4.45x2.92	Shielded Geschirmt		80mA~2A	SMT
 CTSPO1704	6.6x5.5x1.1			0.13A~2.1A	SMT
 CTSDR54	6.1x5.5x4.8			0.35A~1.44A	SMT
 CTSDR0504K	5.8x4.8			0.2A~7.3A	SMT
 CTSDC5D18	6.0x6.0x2.0	Shielded Geschirmt		360mA~1.95A	SMT
 CTSDC5D23	6.0x6.0x2.5	Shielded Geschirmt		87mA~5.4A	SMT
 CTSDC5D28	6.0x6.0x3.0	Shielded Geschirmt		420mA~2.60A	SMT





















TYPE	DIMENSIONS (mm) Max.	Structure	INDUCTANCE RANGE	RATED DC CURRENT	SMT / THT
Size : 6x6	(L)x(W)x(Ht)				
CTSDC5D28R	6.2x6.3x3.0	Shielded Geschirmt	2.5uH - 100uH	400mA~2.60A	SMT
CTSDC5D33	6.2x6.3x3.5	Shielded Geschirmt	6.8uH - 1000uH	74mA~2.8mA	SMT
CTSDS0603B	6.8x6.8x3.3	Shielded Geschirmt	1.5uH - 1000uH	130mA~3.5A	SMT
CTSDS0604B	6.8x6.8x4.8	Shielded Geschirmt	1.5uH - 1000uH	150mA~3.95A	SMT
CTSDS63	6.9x6.5x3	Shielded Geschirmt	2.9uH - 330uH	190mA~1.94A	SMT
CTSDS65	6.9x6.5x5	Shielded Geschirmt	10uH - 1000uH	140mA~1.35A	SMT
Size : 7x7	(L)x(W)x(Ht)	Structure	INDUCTANCE RANGE	RATED DC CURRENT	SMT / THT
CTSDC6D28	7.0x7.0x3.0	Shielded Geschirmt	3.0uH - 100uH	0.54A~3.0A	SMT
CTSDC6D38	7.0x7.0x4.0	Shielded Geschirmt	3.3uH - 100uH	0.65A~3.5A	SMT
CTSBS7028	7.6x7.6x3.0	Shielded Geschirmt	3.3uH - 47uH	0.54A~1.6A	SMT
CTSBS7032	7.6x7.6x3.4	Shielded Geschirmt	3.3uH - 1000uH	0.13A~1.9A	SMT
CTSBS7045	7.6x7.6x4.8	Shielded Geschirmt	3.3uH - 1000uH	0.14A~2.5A	SMT
CTSBS7055	7.6x7.6x5.8	Shielded Geschirmt	1.5uH - 22uH	1.70A~6.2A	SMT
CTSDS73	7.5x7.5x3.5	Shielded Geschirmt	10uH - 1000uH	0.16A~1.68A	SMT
CTSDS74	7.5x7.5x4.5	Shielded Geschirmt	10uH - 1000uH	0.18A~1.84A	SMT
CTSDS73H	7.6x7.6x3.55	Shielded Geschirmt	0.33uH - 1000uH	0.25A~14.4A	SMT
CTSDS74H	7.6x7.6x4.5	Shielded Geschirmt	0.33uH - 1000uH	0.31A~18.4A	SMT





TYPE	DIMENSIONS (mm) Max.	Structure	INDUCTANCE RANGE	RATED DC CURRENT	SMT / THT
Size : 7x7			0 10 100 1,000		
	(L)x(W)x(Ht)				
CTSDS73BQ 	7.6x7.6x3.55	Shielded Geschirmt	0.33uH - 1000uH	0.25A~14.4A	SMT
CTSDS74BQ 	7.6x7.6x4.45	Shielded Geschirmt	0.33uH - 1000uH	0.31A~18.4A	SMT
Size : 8x8			0 10 100 1,000		
	(L)x(W)x(Ht)				
CTSDR73 	8.1x7.3x3.8		10uH - 330uH	0.28A~1.44A	SMT
CTSDR75 	8.1x7.3x5.5		10uH - 470uH	0.34A~2.3A	SMT
CTSQH8040S 	8.2x8.2x4.2	Shielded Geschirmt	0.9uH - 100uH	1.00A~11.0A	SMT
CTSP02506 	9.14x7.8x1.65		4.7uH - 1000uH	0.10A~1.6A	SMT
CTSDH1813 	9.19x6.4x5.3		0.18uH - 47uH	0.87A~14A	SMT
CTSDR0905K 	9.8x5.8		1.5uH - 4700uH	0.24A~10A	SMT
CTSDC8D28 	8.3x8.3x3.0	Shielded Geschirmt	1.0uH - 100uH	0.75A~6.50A	SMT
CTSDC8D28HP 	8.3x8.3x3.0	Shielded Geschirmt	3.3uH - 68uH	1.30A~6.50A	SMT
CTSDC8D38 	8.3x8.3x4.0	Shielded Geschirmt	1.8uH - 100uH	1.05A~7.0A	SMT
CTSDC8D43 	8.3x8.3x4.5	Shielded Geschirmt	0.68uH - 100uH	1.3A~9.0A	SMT
CTSDC8D43HP 	8.3x8.3x4.7	Shielded Geschirmt	1.2uH - 68uH	1.6A~12.6A	SMT
SDC8D58LD 	8.3x8.3x6.0	Shielded Geschirmt	2.8uH - 100uH	0.8A~4.7A	SMT
CTSQH8040S 	8.2x8.2x4.2	Shielded Geschirmt	0.5uH - 220uH	0.75A~11.0A	SMT
CTSQH8040CS 	8.6x8.7x4.0	Shielded Geschirmt	10uH - 680uH	0.30A~3.20A	SMT









































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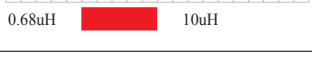



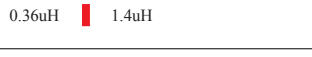


Power Inductors Shielded - SMT



	TYPE	DIMENSIONS (mm) Max. Size : (L)x(W)x(Ht)	Structure	INDUCTANCE RANGE 0 10 100 1,000	RATED DC CURRENT	SMT / THT
New	CTSEP0412EB 	5.0x4.4x1.2	Shielded Geschirmt		8.5A~32.0A	SMT
New	CTSEP0402EB 	5.0x4.4x2.0	Shielded Geschirmt		6.0A~35.0A	SMT
New	CTSEP0402EC 	5.0x4.4x2.1	Shielded Geschirmt		1.75A~12.0A	SMT
New	CTSEP0512E 	5.9x5.45x1.2	Shielded Geschirmt		1.8A~11.5A	SMT
New	CTSEP0515E 	5.9x5.45x1.5	Shielded Geschirmt		2.3~16.0A	SMT
	CTSEP0502EB 	5.75x5.45x2.0	Shielded Geschirmt		4.0A~45.0A	SMT
	CTSEP0502EC 	5.75x5.45x2.0	Shielded Geschirmt		2.0A~25.0A	SMT
	CTSEP0503EB 	5.75x5.45x3.0	Shielded Geschirmt		2.5A~27.0A	SMT
	CTSEP0503EC 	5.75x5.45x3.0	Shielded Geschirmt		1.7A~25.0A	SMT
New	CTSEP0612E 	7.5x6.8x1.25	Shielded Geschirmt		2.2A~11.0A	SMT
New	CTSEP0615E 	7.5x6.8x1.5	Shielded Geschirmt		2.8A~22.0A	SMT
	CTSEP0618E 	7.5x6.8x1.8	Shielded Geschirmt		8.0A~40.0A	SMT
	CTSEP0602EB 	7.5x6.8x2.4	Shielded Geschirmt		5.0A~19.0A	SMT
	CTSEP0603EB 	7.5x6.8x3.0	Shielded Geschirmt		7.0A~60.0A	SMT
	CTSEP0603EC 	7.5x6.8x3.0	Shielded Geschirmt		3.5A~9.5A	SMT
	CTSEP0604EB 	7.5x6.8x4.0	Shielded Geschirmt		6.0A~22.0A	SMT
	CTSEP0605EB 	7.5x6.8x5.0	Shielded Geschirmt		4.5A~12.0A	SMT
New	CTSEP1003E 	11.5x10.5x3.0	Shielded Geschirmt		8.0A~40.0A	SMT





	TYPE	DIMENSIONS (mm) Max.	Structure	INDUCTANCE RANGE	RATED DC CURRENT	SMT / THT
	Size :	(L)x(W)x(Ht)		0 10 100 1,000		
New	CTSEP1004EB 	12.5x11x4.0	Shielded Geschirmt		12.0A~90.0A	SMT
New	CTSEP1004EC 	12.5x11x4.0	Shielded Geschirmt		2.25A~46.0A	SMT
	CTSEP1005E 	12.5x11x5.0	Shielded Geschirmt		6.5A~58.0A	SMT
New	CTSEP1204EB 	14.2x13.3x3.5	Shielded Geschirmt		14A~84.0A	SMT
	CTSEP1205E 	14.2x13.3x5.0	Shielded Geschirmt		16A~118.0A	SMT
	CTSEP1206E 	14.2x13.3x5.0	Shielded Geschirmt		12.0A~120.0A	SMT
New	CTSEP1707E 	17.45x17.15x7.0	Shielded Geschirmt		4.0A~55.0A	SMT
New	CTSEP1707EA 	17.45x17.15x7.0	Shielded Geschirmt		23.0A~129.0A	SMT
	CTSEP1005M 	10.4x10.4x5.6	Shielded Geschirmt		4.8A~55.0A	SMT
New	CTSEP1205M 	12.9x12.9x5.6	Shielded Geschirmt		5.0A~20.4A	SMT
New	CTREP1108 	12x12x8.5	Shielded Geschirmt		40A~80.0A	SMT
	CTREP1309 	13x9.4x10	Shielded Geschirmt		30A~80.0A	SMT
	CTREP1312 	13.5x12.5x9.9	Shielded Geschirmt		5A~80.0A	SMT





	TYPE	DIMENSIONS (mm) Max.	Structure	INDUCTANCE RANGE	RATED DC CURRENT	SMT / THT
New	CTMS1005 	1.1x0.6x0.6	Ceramic		30mA~1.36A	SMT
	CTMS1005H 	1.1x0.65x0.6	Ceramic		50mA~960mA	SMT
	MS1608 	1.8x1.0x1.0	Ceramic		100mA~700mA	SMT
New	CTMS2012 	2.2x1.4x1.1	Ceramic		180mA~800mA	SMT
	CTMS2012HC 	2.29x1.73x1.52	Ceramic		1000mA~1600mA	SMT
	CTMS2520 	2.92x2.50x2.03	Ceramic		170mA~1000mA	SMT
New	CTMS2520H 	2.92x2.92x2.03	Ceramic		1000mA~1600mA	SMT
	CTMS3225 	3.56x2.79x2.03	Ceramic		150mA~1000mA	SMT
	CTMS1608L 	1.8x1.2x1.1	Ferrite		400mA~1800mA	SMT
	CTMS1608L 	1.8x1.2x1.1	Ferrite		200mA~800mA	SMT
	CTMS2012L 	2.4x1.65x1.3	Ferrite		100mA~1100mA	SMT
	CTMS2520L 	2.9x2.54x2.03	Ferrite		200mA~920mA	SMT
	CTMS3225L 	3.6x2.9x2.4	Ferrite		100mA~2600mA	SMT
	CTMW2520 	2.7x2.2x2.4	Ferrite		60mA~245mA	SMT
	CTMW3225 	3.6x2.7x3.1	Ferrite		40mA~450mA	SMT
	CTMW4532 	4.8x3.4x4.4	Ferrite		30mA~800mA	SMT
New	CTMW5650 	5.6x5.3x5.3	Ferrite		25mA~1800mA	SMT





TYPE	DIMENSIONS (mm) Max.	Structure	INDUCTANCE RANGE	RATED DC CURRENT	SMT / THT
New CTMF0603	0.63x0.33x0.33	Ceramic	1.0nH 39nH	50mA~250mA	SMT
CTMF1005	1.1x0.6x0.6	Ceramic	1.0nH 120nH	100mA~300mA	SMT
CTMF1608	1.8x1.0x1.0	Ceramic	1.0nH 270nH	200mA~250mA	SMT
New CTMF0603T	0.65x0.35x0.28	Ceramic	1.0nH 10nH	80mA~300mA	SMT
New CTMF1005T	1.05x0.55x0.37	Ceramic	0.2nH 8nH	220mA~800mA	SMT
CTML1608	1.8x1.0x1.0	Shielded Geschirmt	0.047uH 15uH	1mA~50mA	SMT
CTML2012	2.2x1,4x1.1	Shielded Geschirmt	0.047uH 33uH	5mA~300mA	SMT
CTMB1005	1.1x0.6x0.6	Shielded Geschirmt	30 1000	150mA~400mA	SMT
CTMB1608	1.8x1.0x1.0	Shielded Geschirmt	30 2500	100mA~400mA	SMT
CTMB2012	2.2x1,45x1.1	Shielded Geschirmt	7 2500	100mA~600mA	SMT
CTMI3216	3.4x1.8x1.3	Shielded Geschirmt	31 1200	1000mA~3000mA	SMT
CTMI4516	4.7x1.8x1.8	Shielded Geschirmt	60 470	2000mA~8000mA	SMT
CTMA3216	3.4x1.8x1.1	Shielded Geschirmt	30 1000	50mA~350mA	SMT
CTMM1608	1.7x0.95x1.2	Shielded Geschirmt	25 225	500mA~500mA	SMT
CTMM2012	2.2x1,4x1.1	Shielded Geschirmt	67 370	280mA~400mA	SMT
CTMM3216	3.4x1.8x1.1	Shielded Geschirmt	90 2200	200mA~370mA	SMT
CTSMB403025	4.3x3.2x2.7	Shielded Geschirmt	47	5000mA	SMT





TYPE	DIMENSIONS (mm) Max.	Structure	INDUCTANCE RANGE	RATED DC CURRENT	SMT / THT
Size :	(L)x(W)x(Ht)				
CTRDR654	6.5x5.0		1.0uH 1000uH	130mA~3000mA	THT
CTRDR664	6.5x6.5		1.0uH 1000uH	190mA~4000mA	THT
CTRDS664D	6.5x6.5	Shielded Geschirmt	2.7uH 1000uH	140mA~2.42A	THT
CTRDR855	8.3x5.5		2.5uH 10000uH	81mA~4.50A	THT
CTRDR875	8.3x7.5		2.2uH 10000uH	84mA~5.80A	THT
CTRDS875D	8.3x7.5	Shielded Geschirmt	1.2uH 10000uH	74mA~4.14A	THT
CTRDR895	8.3x9.5		2.5uH 47000uH	38mA~5.00A	THT
CTRDR0811	8.3x10.8		10uH 1000uH	490mA~4.40A	THT
CTRDR10064	10.5x6.5		1.0uH 1000uH	360mA~9.30A	THT
CTRDR10084F	10.5x8.5		2.2uH 1000uH	450mA~7.90A	THT
CTRDS108D	10.5x8.5	Shielded Geschirmt	1.0uH 1000uH	280mA~9.15A	THT
CTRDR10104F	10.5x10.5		10uH 1000uH	530mA~5.30A	THT
CTRDS1010D	10.5x10.5	Shielded Geschirmt	10uH 1000uH	480mA~4.80A	THT
CTRDR1014	10.5x14.4		6.3uH 39000uH	90mA~4.30A	THT
CTRDR1215	12.5x15		10uH 5600uH	470mA~9.80A	THT
CTRDB0608F	7.5x11		10uH 47000uH	35mA~1.30A	THT
New CTRCB0810F	9.5x11.5		10uH 18000uH	100mA~4.20A	THT
CTRDB0912P	10.5x15		10uH 47000uH	30mA~2.80A	THT



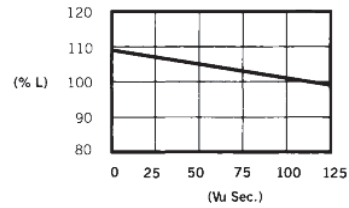
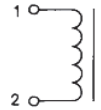
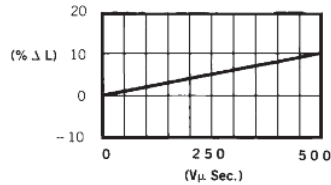
CET LOW POWER INDUCTORS

Low Profile Part No.	Vertical Part No.	Typical Inductance	Idc (AMPS)	Max ET (V- μ SEC)	Inductance No D.C. (Max.)	DCR (Ω Max.)
CT-52625	CT-52645	150	1.7	80	175	.36
CT-52626	CT-52646	220	1.5	90	255	.38
CT-52627	CT-52647	330	1.0	100	380	.74
CT-52628	CT-52648	470	.90	120	540	1.10
CT-52629	CT-52649	680	.85	175	790	1.25
CT-52630	CT-52650	820	.75	175	950	2.30
CT-52631	CT-52651	1000	.50	175	1150	2.40

Schematic:

TYP. INDUCTANCE CHARACTERISTICS

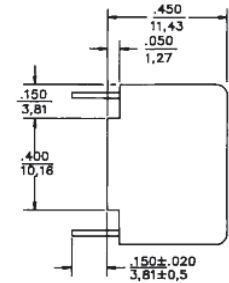
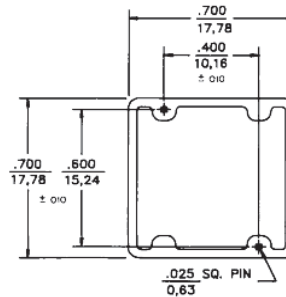
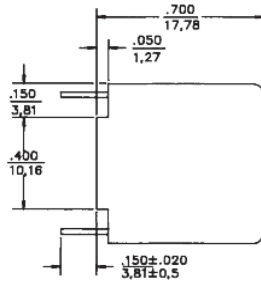
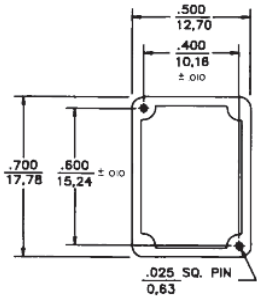
INDUCTANCE VARIANCE VS. E.T.



INDUCTANCE VARIANCE VS. LOAD CURRENT

Vertical Package:

Low Profile Package:



Also available with rounded case. Consult factory for both options.

CET GENERAL PURPOSE LOW COST INDUCTORS

FEATURES:

- Characterized for general purpose use and for ripple filters
- Single layer designs
- Can be used as differential mode inductors in EMI filters
- Mounting package available upon request



ELECTRICAL CHARACTERISTICS AT 25° C

Reference Operating Values					Design Control Values						
Part Number	Clip Mount Option	Inductance Typical (μ Hy)	I_{DC} (AMPS)	ET_{50} (V- μ Sec)	Inductance No D.C. $\pm 20\%$ (μ Hy) ^{-12%}	1000 Hz Test Volts No D.C.	DCR (Ohms) Max.	Coil Size Code	Clip Mount Package	Lead Dia. (In) ⁻⁰⁰³	Min. Energy Storage (μ J)
CT51591		20	2.0	52	32.8	.0034	.06	H		.020	40
CT92100	C	25	2.5	30	20.7	.0023	.04	A	C1	.020	75
CT92101	C	50	2.5	50	45.7	.0047	.07	B	C2	.020	150
CT92102	C	100	2.5	90	94.1	.0094	.10	C	C3	.020	300
CT92103	C	35	2.5	55	28.4	.0037	.04	B	C2	.025	110
CT92104	C	70	3.0	85	61.0	.0076	.05	C	C3	.025	300
CT92105	C	145	3.0	140	141.8	.015	.09	D	C4	.025	650
CT92106	C	285	3.0	300	264.1	.035	.14	E	C5	.025	1275
CT92107		450	3.0	425	436.3	.053	.20	F		.025	2000
CT92108	C	100	3.5	130	90.7	.012	.04	D	C4	.032	600
CT92109	C	165	4.0	240	152.0	.027	.07	E	C5	.032	1300
CT92110		270	4.0	350	263.9	.041	.10	F		.032	2150
CT92111	C	40	4.0	70	37.9	.006	.03	C	C3	.032	300
CT51590		12	5.0	44	20.3	.0038	.03	G		.032	150
CT92112	C	100	5.0	200	90.7	.021	.04	E		.042	1250
CT92113		170	5.0	300	159.7	.032	.05	F		.042	2100
CT92114	C	55	5.0	100	54.9	.009	.02	D		.042	650
CT92115		95	7.0	225	96.0	.025	.03	F		.051	2300
CT92116	C	55	7.0	150	49.1	.015	.02	E		.051	1300
CT92117		55	10.0	175	55.9	.019	.02	F		.064	2750

GENERAL PURPOSE INDUCTORS



WITH MOUNTING BASE

CLIP MOUNT PACKAGE OPTIONS

Coil Installed on Mounting Base

STANDARD PACKAGE	A	B	C	D	E	F
	Nom. ±.005	Nom.	Nom.	←Typical→		
C1	.340	.578	.60	.29	.110	.110
C2	.450	.648	.65	.325	.150	.110
C3	.450	.828	.85	.415	.150	.110
C4	.600	.948	.95	.475	.225	.110
C5	.700	1.248	1.25	.625	.250	.110

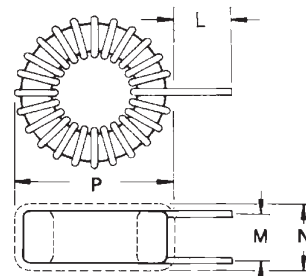
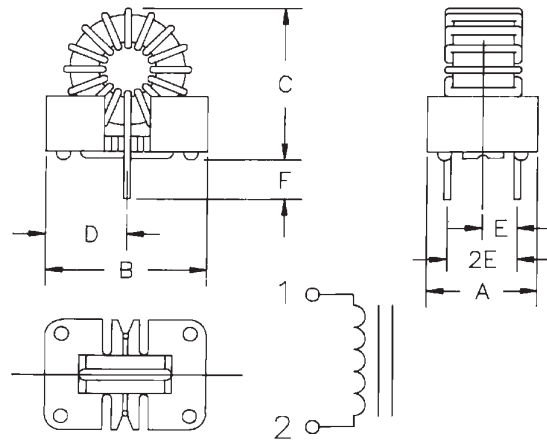
Note: Units with large wire sizes may exceed B dimension.

Bare Coil

[sizes given in inches (mm)]

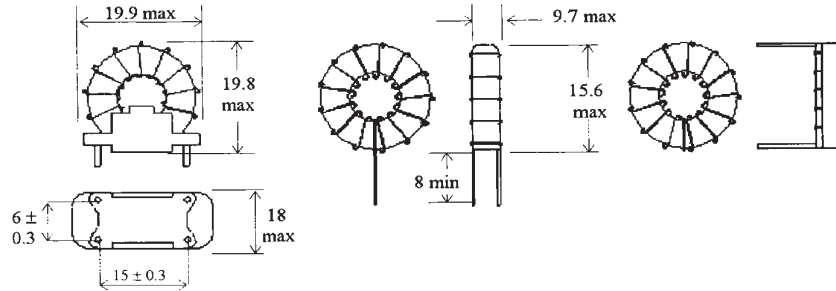
Part Number	Size Code	P Max	N Max	L ±.125 (-0.25)
CT-92100	A	.50 (12.70)	.22 (5.58)	0.375 (9.53)
CT-92103	B	.64 (16.25)	.32 (8.12)	0.375 (9.53)
CT-92111	C	.79 (20.06)	.32 (8.12)	0.375 (9.53)
CT-92114	D	1.00 (25.40)	.49 (12.44)	0.375 (9.53)
CT-92116	E	1.23 (31.24)	.56 (14.22)	0.875 (22.23)
CT-92117	F	1.50 (38.10)	.62 (15.74)	0.875 (22.23)
CT-51590	G	.78 (19.81)	.29 (7.36)	0.75 (19.05)
CT-51591	H	.61 (15.49)	.26 (6.60)	0.75 (19.05)

Note: Dimensions D and H are typical for part number shown and may vary depending on wire size for other part numbers using same core size.



Leads stripped and Tinned to within .06" of Coil.

TOROIDAL INDUCTORS, 50 SERIES

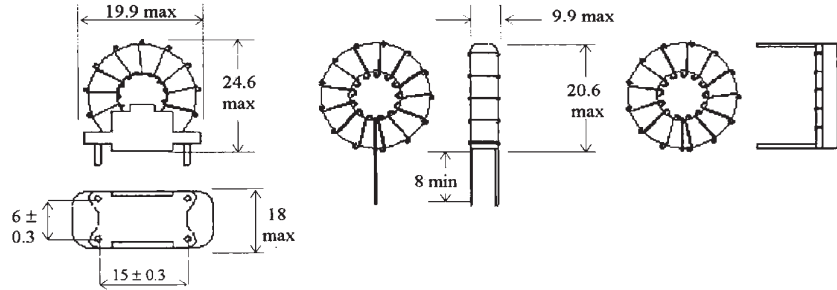


□ = V (Vertical Base Mount); N (No Base)

Part No.	L ₀ μH, 0 DC Amps	Rated DC (Amps)	DCR max Ω	DC Amps for % drop in L ₀			
				10%	20%	30%	40%
50□-1R210R	1.2	10	0.0023	6.25	8.50	11.5	15.0
50□-1R510R	1.5	10	0.0024	6.25	8.50	11.5	15.0
50□-1R510R	1.8	10	0.0024	6.25	8.50	11.5	15.0
50□-2R27R5	2.2	7.5	0.0026	4.69	6.38	8.63	11.3
50□-2R77R5	2.7	7.5	0.0034	4.69	6.38	8.63	11.3
50□-3R37R5	3.3	7.5	0.0034	4.69	6.38	8.63	11.3
50□-3R97R5	3.9	7.5	0.0053	4.69	6.38	8.63	11.3
50□-4R75R0	4.7	5.0	0.0090	3.13	4.25	5.75	7.50
50□-5R65R0	5.6	5.0	0.0092	3.13	4.25	5.75	7.50
50□-6R85R0	6.8	5.0	0.011	3.13	4.25	5.75	7.50
50□-8R25R0	8.2	5.0	0.012	3.13	4.25	5.75	7.50
50□-100R45	10	4.5	0.010	2.81	3.83	5.18	6.75
50□-1204R0	12	4.0	0.014	2.50	3.40	4.60	6.00
50□-1503R7	15	3.7	0.017	2.34	3.19	4.31	5.63
50□-1803R5	18	3.5	0.019	2.19	2.98	4.03	5.25
50□-2203R2	22	3.2	0.024	2.00	2.72	3.68	4.80
50□-2702R7	27	2.7	0.031	1.72	2.34	3.16	4.13
50□-3302R5	33	2.5	0.036	1.56	2.13	2.88	3.75
50□-3902R3	39	2.3	0.045	1.44	1.96	2.65	3.45
50□-4702R1	47	2.1	0.051	1.31	1.79	2.42	3.15
50□-5602R0	56	2.0	0.061	1.25	1.70	2.30	3.00
50□-6801R7	68	1.7	0.076	1.09	1.49	2.01	2.63
50□-8201R6	82	1.6	0.089	1.00	1.36	1.84	2.40
50□-1011R5	100	1.5	0.110	0.94	1.28	1.73	2.25
50□-1211R3	120	1.3	0.130	0.81	1.11	1.50	1.95
50□-1511R2	150	1.2	0.160	0.75	1.02	1.38	1.80
50□-1811R1	180	1.1	0.200	0.69	0.94	1.27	1.65
50□-2211R0	220	1.0	0.240	0.61	0.83	1.13	1.47
50□-2710R9	270	0.9	0.300	0.56	0.77	1.04	1.35
50□-3310R8	330	0.8	0.360	0.50	0.68	0.92	1.20
50□-3910R7	390	0.7	0.440	0.46	0.62	0.84	1.10
50□-4710R6	470	0.6	0.520	0.42	0.57	0.77	1.01
50□-5610R6	560	0.6	0.620	0.38	0.51	0.69	0.90
50□-6810R5	680	0.5	0.760	0.35	0.48	0.64	0.84
50□-8210R5	820	0.5	0.910	0.31	0.43	0.58	0.75
50□-1020R5	1000	0.5	1.100	0.29	0.39	0.53	0.69
50□-1220R5	1200	0.5	1.300	0.26	0.36	0.48	0.63
50□-1520R4	1500	0.4	1.700	0.24	0.32	0.44	0.57
50□-1820R4	1800	0.4	2.000	0.21	0.29	0.39	0.51

Inductance is measured on HP 4263A or equivalent.
 Operation at rated current results in maximum 40°C temperature rise.
For custom inductances, current ratings or mounting options, contact CET.

TOROIDAL INDUCTORS, 68 SERIES

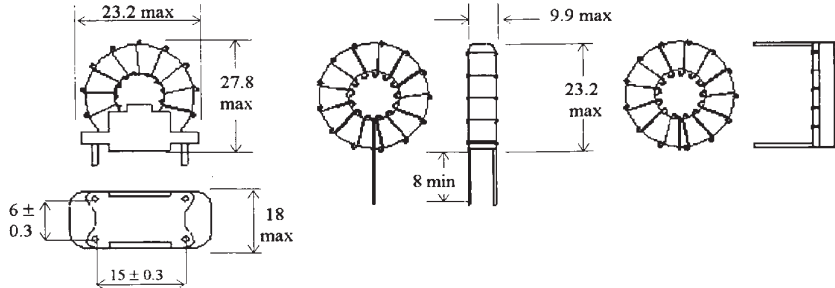


□ = V (Vertical Base Mount); N (No Base)

Part No.	L ₀ μH, 0 DC Amps	Rated DC (Amps)	DCR max Ω	DC Amps for % drop in L ₀			
				10%	20%	30%	40%
68□-8R27R0	8.2	7.0	0.0068	4.38	5.95	80.5	10.5
68□-1006R0	10	6.0	0.0092	3.75	5.10	6.90	9.00
68□-1205R5	12	5.5	0.010	3.44	4.68	6.33	8.25
68□-1505R0	15	5.0	0.014	3.13	4.25	5.75	7.50
68□-1805R0	18	5.0	0.015	3.13	4.25	5.75	7.50
68□-2204R3	22	4.3	0.018	2.69	3.66	4.95	6.45
68□-2704R0	27	4.0	0.021	2.50	3.40	4.60	6.00
68□-3303R5	33	3.5	0.028	2.19	2.98	4.03	5.25
68□-3903R3	39	3.3	0.031	2.06	2.81	3.80	4.95
68□-4703R0	47	3.0	0.043	1.88	2.55	3.45	4.50
68□-5603R0	56	3.0	0.046	1.88	2.55	3.45	4.50
68□-6802R4	68	2.4	0.058	1.50	2.04	2.76	3.60
68□-8202R4	82	2.4	0.070	1.50	2.04	2.76	3.60
68□-1012R0	100	2.0	0.085	1.25	1.70	2.30	3.00
68□-1211R8	120	1.8	0.100	1.13	1.53	2.07	2.70
68□-1511R6	150	1.6	0.130	1.00	1.36	1.84	2.40
68□-1811R5	180	1.5	0.150	0.94	1.28	1.73	2.25
68□-2211R3	220	1.3	0.200	0.81	1.11	1.50	1.95
68□-2711R2	270	1.2	0.230	0.75	1.02	1.38	1.80
68□-3311R1	330	1.1	0.280	0.69	0.94	1.27	1.65
68□-3911R0	390	1.0	0.330	0.63	0.85	1.15	1.50
68□-4711R0	470	1.0	0.410	0.63	0.85	1.15	1.50
68□-5610R8	560	0.8	0.510	0.50	0.68	0.92	1.20
68□-6810R7	680	0.7	0.600	0.47	0.64	0.86	1.13
68□-8210R7	820	0.7	0.690	0.44	0.60	0.81	1.05
68□-1020R6	1000	0.6	0.790	0.41	0.55	0.75	0.98
68□-1220R6	1200	0.6	0.950	0.38	0.51	0.69	0.90
68□-1520R5	1500	0.5	1.300	0.31	0.43	0.58	0.75
68□-1820R5	1800	0.5	1.500	0.30	0.41	0.55	0.72
68□-2720R4	2700	0.4	2.300	0.24	0.32	0.44	0.57
68□-3320R4	3300	0.4	2.700	0.22	0.30	0.40	0.53
68□-3920R3	3900	0.3	3.100	0.21	0.28	0.38	0.50
68□-4720R3	4700	0.3	3.700	0.19	0.26	0.35	0.45
68□-5620R3	5600	0.3	4.600	0.17	0.23	0.31	0.41
68□-6820R2	6800	0.2	5.400	0.16	0.21	0.29	0.38
68□-8220R2	8200	0.2	6.900	0.14	0.19	0.25	0.33
68□-1030R2	10000	0.2	8.400	0.13	0.17	0.23	0.30
68□-1230R2	12000	0.2	10.00	0.11	0.15	0.21	0.27

Inductance is measured on HP 4263A or equivalent.
 Operation at rated current results in maximum 40°C temperature rise.
For custom inductances, current ratings or mounting options, contact CET.

TOROIDAL INDUCTORS, 80 SERIES

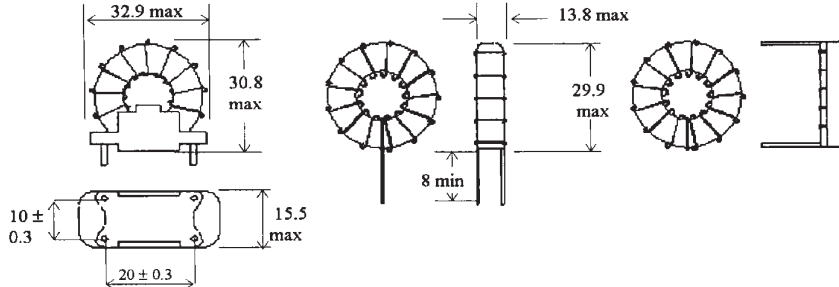


□ = V (Vertical Base Mount); N (No Base)

Part No.	L ₀ μH, 0 DC Amps	Rated DC (Amps)	DCR max Ω	DC Amps for % drop in L ₀			
				10%	20%	30%	40%
80□-1007R2	10	7.2	0.011	4.50	6.12	8.28	10.8
80□-1206R7	12	6.7	0.013	4.19	5.70	7.71	10.1
80□-1506R0	15	6.0	0.013	3.75	5.10	6.90	9.00
80□-1805R4	18	5.4	0.012	3.38	4.59	6.21	8.10
80□-2204R9	22	4.9	0.02	3.06	4.17	5.64	7.35
80□-2704R3	27	4.3	0.02	2.69	3.66	4.95	6.45
80□-3304R0	33	4.0	0.02	2.50	3.40	4.60	6.00
80□-3903R8	39	3.8	0.03	2.38	3.23	4.37	5.70
80□-4703R3	47	3.3	0.03	2.06	2.81	3.80	4.95
80□-5603R0	56	3.0	0.04	1.88	2.55	3.45	4.50
80□-6803R0	68	3.0	0.05	1.88	2.55	3.45	4.50
80□-8202R5	82	2.5	0.07	1.56	2.13	2.88	3.75
80□-1012R2	100	2.2	0.08	1.38	1.87	2.53	3.30
80□-1212R0	120	2.0	0.09	1.25	1.70	2.30	3.00
80□-1511R8	150	1.8	0.12	1.13	1.53	2.07	2.70
80□-1811R7	180	1.7	0.14	1.06	1.45	1.96	2.55
80□-2211R5	220	1.5	0.17	0.94	1.28	1.73	2.25
80□-2711R4	270	1.4	0.21	0.88	1.19	1.61	2.10
80□-3311R2	330	1.2	0.25	0.75	1.02	1.38	1.80
80□-3911R1	390	1.1	0.31	0.69	0.94	1.27	1.65
80□-4711R0	470	1.0	0.37	0.63	0.85	1.15	1.5
80□-5611R0	560	1.0	0.44	0.60	0.82	1.10	1.44
80□-6810R9	680	0.9	0.53	0.54	0.74	1.00	1.31
80□-8210R8	0820	0.8	0.64	0.49	0.67	0.91	1.19
80□-1020R7	1000	0.7	0.78	0.45	0.61	0.83	1.08
80□-1220R7	1200	0.7	0.94	0.41	0.55	0.75	0.98
80□-1520R6	1500	0.6	1.20	0.36	0.49	0.67	0.87
80□-1820R5	1800	0.5	1.40	0.33	0.45	0.61	0.80
80□-2220R5	2200	0.5	1.70	0.30	0.41	0.55	0.72
80□-2720R4	2700	0.4	2.10	0.27	0.37	0.49	0.65
80□-3320R4	3300	0.4	2.60	0.25	0.34	0.46	0.60
80□-3920R4	3900	0.4	3.10	0.23	0.31	0.41	0.54
80□-4720R3	4700	0.3	3.70	0.21	0.28	0.38	0.50
80□-5620R3	5600	0.3	4.40	0.19	0.26	0.35	0.45
80□-6820R3	6800	0.3	5.30	0.17	0.23	0.31	0.41
80□-8220R2	8200	0.2	6.40	0.16	0.21	0.29	0.38
80□-1030R2	10000	0.2	7.80	0.14	0.20	0.26	0.35
80□-1230R2	12000	0.2	9.40	0.13	0.18	0.24	0.32

Inductance is measured on HP 4263A or equivalent.
 Operation at rated current results in maximum 40°C temperature rise.
For custom inductances, current ratings or mounting options, contact CET.

TOROIDAL INDUCTORS, 106 SERIES



□ = V (Vertical Base Mount); N (No Base)

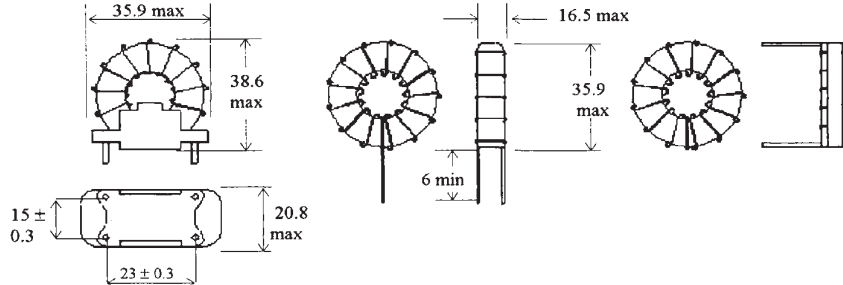
Part No.	L ₀ μH, 0 DC Amps	Rated DC (Amps)	DCR max Ω	DC Amps for % drop in L ₀			
				10%	20%	30%	40%
106□-6R815	6.8	15	0.0027	9.38	12.8	17.3	22.5
106□-8R215	8.2	15	0.0035	9.38	12.8	17.3	22.5
106□-10010	10	10	0.0043	6.25	8.50	11.5	15.0
106□-12010	12	10	0.0052	6.25	8.50	11.5	15.0
106□-15010	15	10	0.0062	6.25	8.50	11.5	15.0
106□-1809R1	18	9.1	0.0073	0.63	0.85	11.5	15.0
106□-2209R1	22	9.1	0.0097	5.69	7.74	10.5	13.7
106□-2708R5	27	8.5	0.011	5.33	7.24	9.80	12.8
106□-3307R6	33	7.6	0.014	4.74	6.45	8.73	11.4
106□-3906R8	39	6.8	0.017	4.26	5.80	7.84	10.2
106□-4706R2	47	6.2	0.021	3.88	5.27	7.13	9.30
106□-5605R7	56	5.7	0.025	3.55	4.83	6.53	8.52
106□-6805R2	68	5.2	0.029	3.28	4.45	6.03	7.86
106□-8204R7	82	4.7	0.036	2.94	4.00	5.41	7.05
106□-1014R2	100	4.2	0.044	2.66	3.62	4.90	6.39
106□-1213R9	120	3.9	0.052	2.44	3.32	4.49	5.85
106□-1513R5	150	3.5	0.065	2.19	2.98	4.03	5.25
106□-1813R2	180	3.2	0.075	2.03	2.76	3.74	4.88
106□-2212R6	220	2.9	0.095	1.81	2.47	3.34	4.35
106□-2712R6	270	2.6	0.120	1.64	2.23	3.01	3.93
106□-3312R4	330	2.4	0.140	1.50	2.04	2.75	3.59
106□-3912R2	390	2.2	0.160	1.38	1.87	2.53	3.30
106□-4712R0	470	2.0	0.200	1.23	1.68	2.27	2.96
106□-5611R8	560	1.8	0.240	1.14	1.55	2.09	2.73
106□-6811R6	680	1.6	0.290	1.04	1.42	1.91	2.50
106□-8211R5	820	1.5	0.350	0.94	1.28	1.73	2.25
106□-1021R4	1000	1.4	0.420	0.85	1.16	1.57	2.05
106□-1221R2	1200	1.2	0.510	0.78	1.06	1.44	1.88
106□-1521R1	1500	1.1	0.630	0.70	0.95	1.28	1.68
106□-1821R0	1800	1.0	0.760	0.64	0.86	1.17	1.53
106□-2220R9	2200	0.9	0.940	0.58	0.78	1.06	1.38
106□-2720R8	2700	0.8	1.200	0.52	0.71	0.95	1.25
106□-3320R8	3300	0.8	1.400	0.47	0.64	0.86	1.13
106□-3920R7	3900	0.7	1.700	0.43	0.59	0.79	1.04
106□-4720R6	4700	0.6	2.000	0.39	0.53	0.72	0.94
106□-5620R6	5600	0.6	2.400	0.36	0.49	0.66	0.86
106□-6820R5	6800	0.5	2.900	0.33	0.44	0.60	0.78
106□-8220R5	8200	0.5	3.500	0.30	0.41	0.55	0.72
106□-1030R4	10000	0.4	4.200	0.27	0.37	0.37	0.65

Inductance is measured on HP 4263A or equivalent.

Operation at rated current results in maximum 40°C temperature rise.

For custom inductances, current ratings or mounting options, contact CET.

TOROIDAL INDUCTORS, 131 SERIES



□ = V (Vertical Base Mount); N (No Base)

Part No.	L _o μH, 0 DC Amps	Rated DC (Amps)	DCR max Ω	DC Amps for % drop in L _o			
				10%	20%	30%	40%
131□-4R725	4.7	25	0.0014	15.6	21.3	28.8	37.5
131□-5R615	5.6	15	0.0018	9.38	12.8	17.3	22.5
131□-6R815	6.8	15	0.0024	9.38	12.8	17.3	22.5
131□-8R215	8.2	15	0.0031	9.38	12.8	17.3	22.5
131□-10015	10	15	0.0031	9.38	12.8	17.3	22.5
131□-12015	12	15	0.0038	9.38	12.8	17.3	22.5
131□-15010	15	10	0.0054	6.25	8.50	11.5	15.0
131□-18010	18	10	0.0063	6.25	8.50	11.5	15.0
131□-22010	22	10	0.0073	6.25	8.50	11.5	15.0
131□-27010	27	10	0.0084	6.25	8.50	11.5	15.0
131□-3309R5	33	9.5	0.011	5.97	8.12	11.0	14.3
131□-3908R5	39	8.5	0.013	5.34	7.27	9.83	12.8
131□-4708R1	47	8.1	0.015	5.06	6.89	9.32	12.2
131□-5607R4	56	7.4	0.018	4.61	6.27	8.49	11.1
131□-6806R5	68	6.5	0.023	4.06	5.53	7.48	9.75
131□-8206R0	82	6.0	0.027	3.75	5.10	6.90	9.00
131□-1015R4	100	5.4	0.034	3.38	4.59	6.21	8.10
131□-1214R9	120	4.9	0.041	3.08	4.18	5.66	7.38
131□-1514R5	150	4.5	0.048	2.81	3.83	5.18	6.75
131□-1814R0	180	4.0	0.060	2.53	3.44	4.66	6.08
131□-2213R7	220	3.7	0.073	2.30	3.13	4.23	5.52
131□-2713R3	270	3.3	0.090	2.07	2.81	3.81	4.97
131□-3313R0	330	3.0	0.110	1.88	2.55	3.45	4.50
131□-3912R7	390	2.7	0.130	1.72	2.34	3.16	4.13
131□-4712R5	470	2.5	0.160	1.58	2.15	2.91	3.80
131□-5612R3	560	2.3	0.180	1.45	1.97	2.67	3.48
131□-6812R1	680	2.1	0.220	1.32	1.79	2.43	3.17
131□-8211R9	820	1.9	0.270	1.19	1.62	2.20	2.87
131□-1021R7	1000	1.7	0.330	1.08	1.46	1.98	2.58
131□-1221R6	1200	1.6	0.390	0.98	1.33	1.81	2.36
131□-1521R4	1500	1.4	0.490	0.88	1.20	1.62	2.12
131□-1821R3	1800	1.3	0.590	0.80	1.09	1.47	1.92
131□-2221R2	2200	1.2	0.720	0.73	0.99	1.33	1.74
131□-2721R0	2700	1.0	0.880	0.66	0.89	1.21	1.58
131□-3320R9	3300	0.9	1.100	0.59	0.81	1.09	1.43
131□-3920R8	3900	0.8	1.300	0.54	0.74	1.00	1.31
131□-4720R8	4700	0.8	1.600	0.50	0.68	0.92	1.20

Inductance is measured on HP 4263A or equivalent.
 Operation at rated current results in maximum 40°C temperature rise.
For custom inductances, current ratings or mounting options, contact CET.

CET FILTER INDUCTORS

MODELS HIA-1 AND HIA-3

FEATURES

- Printed circuit mounting (axial leads)
- Protected by polyolefin sleeve
- Pre-tinned leads
- High saturation bobbin used, allowing high inductance with low DC resistance

SPECIFICATIONS

ELECTRICAL

Inductance: Measured at 1KHz with no DC current

Current Rating: Maximum continuous operating current based on a 50°C temperature rise

Dielectric Rating: 2500 VRMS between winding and outer circumference to within 0.25" of the insulating sleeve edge

Temperature Rating: -55°C to +105°C

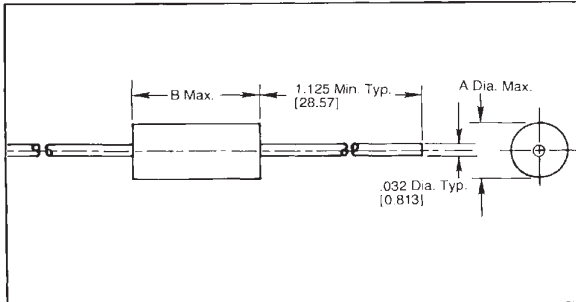
MECHANICAL

Wire: Solid soft copper

Terminals: 20 AWG tinned copper leads

Coating: Polyolefin tubing

DIMENSIONS (Numbers in brackets = millimeters)



MODEL	A (Max.)	B (Max.)
HIA-1	.250 (6.35)	.650 (16.51)
HIA-3	.453 (11.51)	.900 (22.86)

ORDERING INFORMATION

HIA-1 3.9μH ±15%
1. 2. 3.

1. Basic model
2. Inductance value (μH)
3. Inductance tolerance

CROSS REFERENCE

Renco RL-1283, RL1284 Series

Dale IHD-1, IHD-3 Series

Wilco LFB Series



INDUCT @1KHz (μh 15%)	DCR (Max.) (Ω)	RATED CURRENT Max. (Amps)
3.9	0.008	1.280
4.7	0.010	1.280
5.6	0.013	1.280
6.8	0.014	1.280
8.2	0.022	1.280
10	0.024	1.280
12	0.031	1.280
15	0.033	1.280
18	0.036	1.280
22	0.046	1.280
27	0.054	1.280
33	0.066	1.280
39	0.094	1.280
47	0.109	1.010
56	0.140	0.804
68	0.146	0.804
82	0.152	0.804
100	0.208	0.804
120	0.283	0.804
150	0.340	0.632
180	0.362	0.508
220	0.430	0.508
270	0.557	0.508
330	0.665	0.508
390	0.772	0.400
470	1.150	0.400
560	1.270	0.315
680	1.610	0.315
820	1.960	0.250
1000	2.300	0.200
1200	2.650	0.200
1500	3.450	0.200
1800	4.030	0.158
2200	4.480	0.158
2700	5.400	0.125
3300	6.560	0.125
3900	8.630	0.100
4700	9.660	0.100
5600	13.900	0.082
6800	16.300	0.082
8200	20.800	0.065
10000	26.400	0.050
12000	29.900	0.050
15000	42.500	0.039
18000	46.300	0.039

INDUCT @1KHz (μh 15%)	DCR (Max.) (Ω)	RATED CURRENT Max. (Amps)
3.9	0.007	4.000
4.7	0.008	4.000
5.6	0.009	4.000
6.8	0.011	4.000
8.2	0.013	4.000
10	0.017	4.000
12	0.019	4.000
15	0.022	4.000
18	0.023	4.000
22	0.026	4.000
27	0.027	4.000
33	0.032	4.000
39	0.033	4.000
47	0.035	4.000
56	0.037	3.200
68	0.044	2.500
82	0.060	2.000
100	0.080	1.600
120	0.090	1.600
150	0.107	1.600
180	0.123	1.600
220	0.138	1.600
270	0.162	1.600
330	0.183	1.600
390	0.212	1.600
470	0.281	1.200
560	0.360	1.000
680	0.404	1.000
820	0.548	0.800
1000	0.622	0.800
1200	0.884	0.600
1500	1.040	0.600
1800	1.180	0.600
2200	1.570	0.500
2700	2.060	0.400
3300	2.530	0.400
3900	2.750	0.400
4700	3.190	0.400
5600	3.920	0.315
6800	5.690	0.250
8200	6.320	0.250
10000	7.300	0.250
12000	9.210	0.200
15000	10.500	0.200
18000	14.800	0.158
22000	21.800	0.125
27000	22.700	0.125
33000	25.700	0.125
39000	31.800	0.100
47000	36.100	0.100
56000	40.900	0.100
68000	57.300	0.082
82000	79.300	0.065
100000	89.700	0.065

CET FILTER INDUCTORS

MODEL HIR

FEATURES

- Printed circuit mounting
- Pre-tinned leads

TYPICAL APPLICATIONS

Noise filtering for switching regulators, power amplifiers, power supplies and SCR or Triac control circuit



ELECTRICAL SPECIFICATIONS

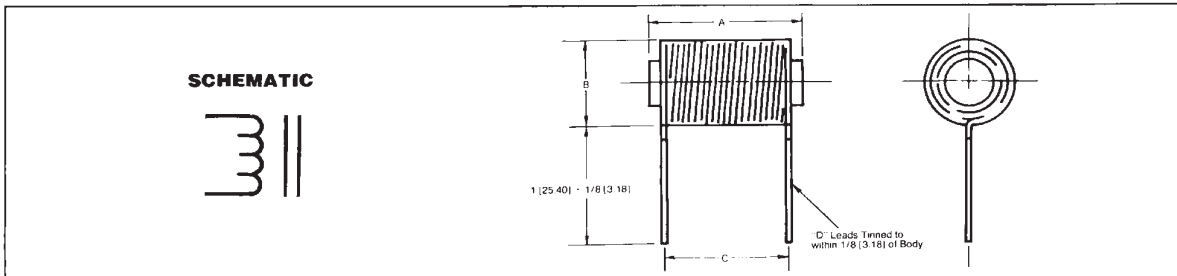
MODEL	IND. @ 1 KHz ±10%*	RATED CURRENT (Max.)	DC RESISTANCE (Max.)	INCREMENTAL CURRENT**
HIR-3	5 μ h	10 amps	.015 Ω	16 amps
HIR-3	10 μ h	9 amps	.018 Ω	13 amps
HIR-3	27 μ h	7 amps	.035 Ω	10 amps
HIR-3	50 μ h	5.6 amps	.050 Ω	7 amps
HIR-3	100 μ h	5.2 amps	.065 Ω	6 amps
HIR-3	150 μ h	5 amps	.075 Ω	5 amps
HIR-3	250 μ h	5 amps	.090 Ω	4 amps
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HIR-5	5 μ h	14 amps	.012 Ω	20 amps
HIR-5	10 μ h	12 amps	.015 Ω	16 amps
HIR-5	27 μ h	9 amps	.025 Ω	13 amps
HIR-5	50 μ h	8 amps	.030 Ω	10 amps
HIR-5	68 μ h	7.5 amps	.035 Ω	9 amps
HIR-5	100 μ h	7.5 amps	.050 Ω	7 amps
HIR-5	150 μ h	7 amps	.060 Ω	5 amps
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HIR-10	5 μ h	19 amps	.010 Ω	20 amps
HIR-10	10 μ h	16 amps	.012 Ω	17 amps
HIR-10	27 μ h	12.5 amps	.018 Ω	12 amps
HIR-10	50 μ h	11 amps	.025 Ω	10 amps
HIR-10	68 μ h	10 amps	.027 Ω	8 amps
HIR-10	100 μ h	10 amps	.030 Ω	7 amps
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HIR-15	5 μ h	24 amps	.008 Ω	25 amps
HIR-15	10 μ h	20 amps	.010 Ω	17 amps
HIR-15	27 μ h	16 amps	.015 Ω	14 amps
HIR-15	50 μ h	15 amps	.020 Ω	10 amps

* Inductance measured with zero DC current.
** Incremental current reduces inductance by 10% or less.

DIMENSIONS*

A (Max.)	B (Max.)	C ±.062 (1.59)	D ±.005 (013)
0.875 (22.23)	0.625 (15.88)	0.500 (12.70)	.042 (1.067)
1.125 (28.58)	0.625 (15.88)	0.687 (17.45)	.042 (1.067)
0.875 (22.23)	0.812 (20.62)	0.437 (11.10)	.042 (1.067)
0.875 (22.23)	0.812 (20.62)	0.750 (19.05)	.042 (1.067)
1.125 (28.58)	0.812 (20.62)	0.937 (23.80)	.042 (1.067)
1.375 (34.93)	0.812 (20.62)	1.062 (26.97)	.042 (1.067)
1.625 (41.28)	0.812 (20.62)	1.312 (33.32)	.042 (1.067)
<hr/>			
0.875 (22.23)	0.640 (16.26)	0.750 (19.05)	.053 (1.35)
1.125 (28.53)	0.640 (16.26)	1.000 (25.40)	.053 (1.35)
0.875 (22.23)	0.875 (22.23)	0.562 (14.27)	.053 (1.35)
1.125 (28.53)	0.875 (22.23)	0.750 (19.05)	.053 (1.35)
1.125 (28.53)	0.875 (22.23)	0.875 (22.23)	.053 (1.35)
1.375 (34.93)	0.875 (22.23)	1.000 (25.40)	.053 (1.35)
1.625 (41.28)	0.875 (22.23)	1.250 (31.75)	.053 (1.35)
<hr/>			
1.125 (28.53)	0.687 (17.45)	0.812 (20.62)	.065 (1.65)
1.375 (34.93)	0.687 (17.45)	1.218 (30.94)	.065 (1.65)
1.125 (28.53)	0.937 (23.80)	0.687 (17.45)	.065 (1.65)
1.375 (34.93)	0.937 (23.80)	0.937 (23.80)	.065 (1.65)
1.375 (34.93)	0.937 (23.80)	1.125 (28.53)	.065 (1.65)
1.625 (41.28)	0.937 (23.80)	1.312 (33.32)	.065 (1.65)
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1.375 (34.93)	0.725 (18.42)	0.937 (23.80)	.082 (2.08)
1.687 (42.85)	0.725 (18.42)	1.500 (38.10)	.082 (2.08)
1.375 (34.93)	1.000 (25.40)	0.937 (23.80)	.082 (2.08)
1.625 (41.28)	1.000 (25.40)	1.125 (28.53)	.082 (2.08)

* Dimensions in Inches (Dimensions in Millimeters)



ORDERING INFORMATION

HIR -5 10 μ h
1. 2. 3.

1. & 2. Basic model high current choice
3. Inductance (μ h)

CROSS REFERENCE

RENCO RL2226 SERIES
Miller 5500 SERIES
Dale IH SERIES

CET HIGH CURRENT FILTER INDUCTORS

MODEL HSPI

FEATURES

- Printed circuit mounting (axial leads)
- Pre-tinned leads
- Low cost construction
- Designed for use with switching power supplies
- Protected by polyolefin sleeve

SPECIFICATIONS

Electrical

Inductance: Measured at 1 KHz with no DC current

Current Rating: Maximum continuous operating current (DC or RMS) based on a 50°C temperature rise

Dielectric Rating: 2500 VRMS, 60 Hz, applied for one minute between winding and outer circumference to within .25" of the insulation sleeve edge

Temperature Rating: -55°C to +105°C

Mechanical

Winding: Layered solenoid type with magnetic core

Wire: Solid soft copper

Terminals: Tinned copper leads

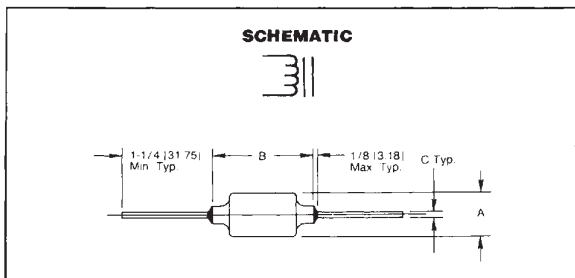
Coating: Polyolefin tubing

ORDERING INFORMATION



ELECTRICAL SPECIFICATIONS

MODEL	INDUCTANCE @ 1KHz ±10%	CURRENT (Max.)	DC RESISTANCE (Max.)
HSPI-101	50µh	2.5 amps	.12Ω
HSPI-102	100µh	2.1 amps	.18Ω
HSPI-103	250µh	1.8 amps	.30Ω
HSPI-104	500µh	1.6 amps	.50Ω
HSPI-105	1000µh	1.4 amps	.60Ω
HSPI-201	27µh	3.7 amps	.085Ω
HSPI-202	50µh	3.1 amps	.10Ω
HSPI-203	100µh	2.7 amps	.15Ω
HSPI-204	250µh	2.4 amps	.25Ω
HSPI-205	500µh	2.3 amps	.45Ω
HSPI-301	5µh	6.8 amps	.025Ω
HSPI-302	10µh	6.1 amps	.035Ω
HSPI-303	27µh	4.8 amps	.05Ω
HSPI-304	50µh	4.3 amps	.065Ω
HSPI-305	100µh	4.2 amps	.075Ω
HSPI-501	5µh	9.3 amps	.015Ω
HSPI-502	10µh	8.3 amps	.025Ω
HSPI-503	27µh	6.5 amps	.035Ω
HSPI-504	50µh	6.1 amps	.05Ω
HSPI-505	100µh	5.9 amps	.065Ω



HSPI 101
1. 2.

1. Basic model high current choke
2. Dash number for current and inductance value desired

CROSS REFERENCE

RENCO RL-2227 Series
Dale IHA Series

MECHANICAL SPECIFICATIONS

MODEL	A (Max.)	B (Max.)	C ±.002 (0.05)
HSPI-101	.475 (12.06)	.800 (20.32)	.032 (0.81)
HSPI-102	.475 (12.06)	.800 (20.32)	.032 (0.81)
HSPI-103	.475 (12.06)	1.050 (26.67)	.032 (0.81)
HSPI-104	.550 (13.97)	1.050 (26.67)	.032 (0.81)
HSPI-105	.550 (13.97)	1.175 (29.84)	.032 (0.81)
HSPI-201	.500 (12.70)	.800 (20.32)	.032 (0.81)
HSPI-202	.500 (12.70)	.800 (20.32)	.032 (0.81)
HSPI-203	.500 (12.70)	.920 (23.37)	.032 (0.81)
HSPI-204	.600 (15.24)	.920 (23.37)	.032 (0.81)
HSPI-205	.750 (19.05)	1.050 (26.67)	.032 (0.81)
HSPI-301	.475 (12.06)	.800 (20.32)	.032 (0.81)
HSPI-302	.475 (12.06)	.920 (23.37)	.032 (0.81)
HSPI-303	.550 (13.97)	.800 (20.32)	.032 (0.81)
HSPI-304	.550 (13.97)	.920 (23.37)	.032 (0.81)
HSPI-305	.550 (13.97)	1.175 (29.84)	.032 (0.81)
HSPI-501	.475 (12.06)	1.050 (26.67)	.040 (1.02)
HSPI-502	.475 (12.06)	1.050 (26.67)	.040 (1.02)
HSPI-503	.700 (17.78)	1.050 (26.67)	.040 (1.02)
HSPI-504	.700 (17.78)	1.050 (26.67)	.040 (1.02)
HSPI-505	.700 (17.78)	1.200 (30.48)	.040 (1.02)

HIGH CURRENT FILTER INDUCTORS

MODEL HID



FEATURES

- Printed circuit mounting
- Wide range of inductance and current rating
- Pre-tinned leads
- Optional insulating covering

SPECIFICATIONS

ELECTRICAL

Inductance: Measured at 1Khz with no DC current

Temperature Range: -55°C to +130°C

Current Rating: Maximum continuous operating current based on a 50°C temperature rise

Dielectric: 2500 VRMS between winding and .250" of insulating covering edge (with optional insulating covering)

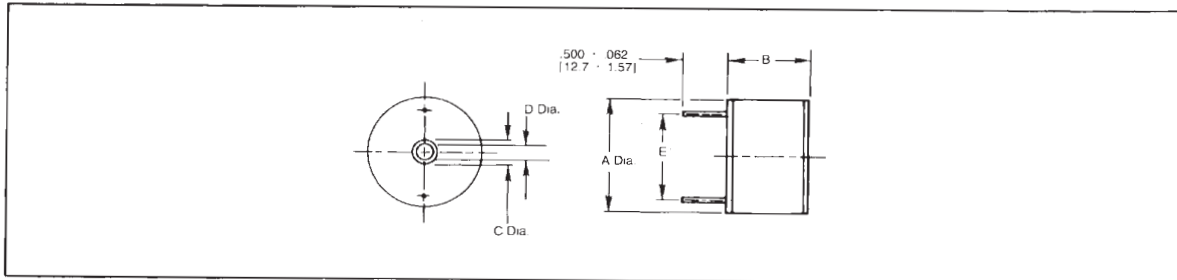
MECHANICAL

Terminals: Extensions of winding wire, solder-coated to within 1/16 (1.59) of body

Mounting: Center hole for mechanical mounting

DIMENSIONS

(Numbers in brackets indicate millimeters)

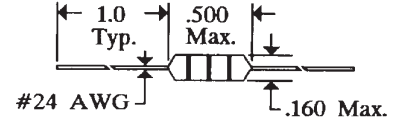


MODEL NO.	A (Max.)	B (Max.)	C (Max.)	D (Max.)
HID-1	.660 (16.76)	.840 (21.34)	.162 (4.11)	.115 (2.92)
HID-2	.825 (20.95)	.840 (21.34)	.162 (4.11)	.115 (2.92)
HID-3	1.100 (27.94)	.840 (21.34)	.162 (4.11)	.115 (2.92)
HID-4	1.600 (40.64)	1.030 (26.16)	.250 (6.35)	.175 (4.44)
HID-5	1.600 (40.64)	1.450 (36.83)	.250 (6.35)	.175 (4.44)
HID-6	2.000 (50.80)	1.500 (38.10)	.330 (8.38)	.160 (4.06)

Cross Reference: RENCO RL1256 Series

MINIATURE HIGH CURRENT RF CHOKES

CRF 5300 SERIES



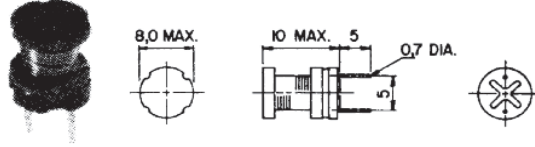
Part±10% Number	L (μH) Max DCR @ 0 DC	MIN SRF OHMs	Rated 1,dc MHz	INCR 1 mA	#24 AWG mA
CRF5300-01	1.0	.018	190	3300	3000
CRF5300-02	1.2	.019	170	3200	2700
CRF5300-03	1.5	.020	160	3100	2500
CRF5300-04	1.8	.023	150	2900	2100
CRF5300-05	2.2	.031	130	2600	2000
CRF5300-06	2.7	.033	120	2500	1900
CRF5300-07	3.3	.054	110	1900	1700
CRF5300-08	3.9	.060	100	1800	1500
CRF5300-09	4.7	.068	86	1700	1400
CRF5300-10	5.6	.074	64	1600	1300
CRF5300-11	6.8	.080	44	1600	1200
CRF5300-12	8.2	.087	32	1500	1100
CRF5300-13	10	.095	25	1500	970
CRF5300-14	12	.11	17	1400	880
CRF5300-15	15	.15	13	1200	790
CRF5300-16	18	.16	10	1100	710
CRF5300-17	22	.19	8.4	1000	640
CRF5300-18	27	.22	8.0	950	580
CRF5300-19	33	.24	7.6	910	530
CRF5300-20	39	.26	7.1	880	480
CRF5300-21	47	.35	6.0	760	430
CRF5300-22	56	.47	5.8	650	400
CRF5300-23	68	.53	4.3	610	370
CRF5300-24	82	.60	4.1	580	330
CRF5300-25	100	.67	3.9	550	300
CRF5300-26	120	.90	3.6	470	270
CRF5300-27	150	1.2	3.2	410	250
CRF5300-28	180	1.4	2.8	380	220
CRF5300-29	220	1.9	2.3	320	200
CRF5300-30	270	2.1	2.1	310	180
CRF5300-31	330	2.4	1.9	290	170
CRF5300-32	390	3.0	1.7	260	150
CRF5300-33	470	3.4	1.4	240	140
CRF5300-34	560	4.7	1.3	210	130
CRF5300-35	680	6.4	1.2	180	110
CRF5300-36	820	7.1	1.1	170	100
CRF5300-37	1,000	7.9	1.0	160	95
CRF5300-38	1,200	9.0	.94	150	87
CRF5300-39	1,500	12	.76	130	78
CRF5300-40	1,800	14	.72	120	71
CRF5300-41	2,200	19	.64	100	64
CRF5300-42	2,700	25	.56	90	58
CRF5300-43	3,300	29	.53	83	52
CRF5300-44	3,900	34	.48	77	48
CRF5300-45	4,700	37	.45	74	44
CRF5300-46	5,600	50	.40	63	40
CRF5300-47	6,800	58	.36	59	36
CRF5300-48	8,200	68	.29	54	33
CRF5300-49	10,000	75	.27	52	30

Notes:

- Inductance: For 1.0 μH through 8.2 μH, effective inductance is measured at 7.9 MHz in accordance with MIL-C015305. For 10 μH through 10,000 μH, inductance is measured at 1 kHz.
- Incremental current (INCR I) is the minimum current at which the inductance will be decreased by 5% from its initial (zero-DC) value because of saturation.
- Operating temperature range: -55°C to +105°C.

FIXED INDUCTOR, NOISE FILTERS

- High Current
- Frequency Range: 2MHz-70MHz(1)
- Temperature Coefficient: 350ppm/°C, max



QUALITY FEATURES:

- This choke coil is ideal for noise filtering applications and is low profile.
- A high saturation flux density ferrite core makes this model ideal for EMI filtering (noise filtering) in power supplies used in TVs, computers, etc.

TYPE 2: HIGH CURRENT

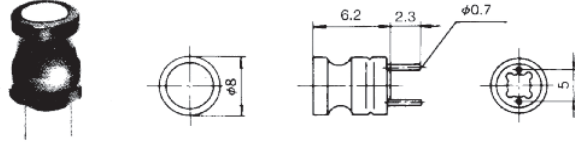
CET Part Number	Inductance ² (μH)	Q ² (min.)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated DC Current (A) max.
2LYF-0074M	1.0 ± 20%	20	7.96	.021	8.60
2LYF-0075M	1.05 ± 20%	20	7.96	.023	7.60
2LYF-0076M	2.2 ± 20%	20	7.96	.026	6.30
2LYF-0077M	3.3 ± 20%	20	7.96	.030	5.40
2LYF-0078M	4.7 ± 20%	20	7.96	.034	4.60
2LYF-0079M	6.8 ± 20%	20	7.96	.037	4.10
2LYF-0080K	10.0 ± 10%	50	2.52	.044	3.40
2LYF-0081K	12.0 ± 10%	50	2.52	.049	3.10
2LYF-0082K	15.0 ± 10%	50	2.52	.054	2.90
2LYF-0083K	18.0 ± 10%	40	2.52	.058	2.66
2LYF-0084K	22.0 ± 10%	40	2.52	.065	2.40
2LYF-0085K	27.0 ± 10%	40	2.52	.072	2.22
2LYF-0086K	33.0 ± 10%	30	2.52	.080	2.05
2LYF-0087K	39.0 ± 10%	30	2.52	.091	1.85
2LYF-0088K	47.0 ± 10%	30	2.52	.101	1.77
2LYF-0089K	56.0 ± 10%	30	2.52	.145	1.48
2LYF-0090K	68.0 ± 10%	30	2.52	.161	1.36
2LYF-0091K	82.0 ± 10%	30	2.52	.174	1.30
2LYF-0092K	100.0 ± 10%	20	.796	.221	1.13
2LYF-0093K	120.0 ± 10%	20	.796	.254	1.02
2LYF-0094K	150.0 ± 10%	20	.796	.294	.92
2LYF-0095K	180.0 ± 10%	20	.796	.451	.80
2LYF-0096K	220.0 ± 10%	20	.796	.509	.73
2LYF-0097K	270.0 ± 10%	20	.796	.579	.67
2LYF-0098K	330.0 ± 10%	20	.796	.657	.62
2LYF-0099K	390.0 ± 10%	20	.796	.742	.57
2LYF-0100K	470.0 ± 10%	20	.796	.836	.52
2LYF-0128K	100.0 ± 10%	30	.796	.213	1.40
2LYF-0129K	120.0 ± 10%	30	.796	.238	1.25
2LYF-0130K	150.0 ± 10%	30	.796	.273	1.15
2LYF-0131K	180.0 ± 10%	30	.796	.303	1.08
2LYF-0132K	220.0 ± 10%	30	.796	.343	1.00
2LYF-0133K	270.0 ± 10%	30	.796	.385	.90
2LYF-0134K	330.0 ± 10%	30	.796	.623	.78
2LYF-0135K	390.0 ± 10%	30	.796	.685	.74
2LYF-0136K	470.0 ± 10%	30	.796	.772	.68
2LYF-0137K	560.0 ± 10%	20	.796	.834	.64
2LYF-0138K	680.0 ± 10%	20	.796	.937	.59
2LYF-0139K	820.0 ± 10%	20	.796	1.033	.56
2LYF-0140K	1000.0 ± 10%	20	.796	1.176	0.51

¹ Add the tolerance code to within the () of the Part Number as follows: J = ±5%, K = ±10%.

² The rated DC current is that which the inductance value decreases 10% by the excitation DC current, measured at 1kHz by universal bridge or equivalent.

FIXED INDUCTOR, NOISE FILTERS

- Fixed Inductor
- Frequency Range: 400 kHz–6MHz(1)
- Temperature Coefficient: 350ppm/°C, max



QUALITY FEATURES:

- The high inductance produced by this device makes it an ideal choke coil and trap coil.
- The entire winding is covered in shrunk plastic that provides environmental and mechanical protection

TYPE 87: HIGH CURRENT

CET Part ¹ Number	Inductance ² (mH)	Q ² (min.)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated DC Current (A) max.	Self Resonant Frequency ³ (MHz) min.
87LY-101()	0.10	80	796	2.0	200	5.3
87LY-121()	0.12	80	796	2.0	200	4.5
87LY-151()	0.15	80	796	2.0	200	3.8
87LY-181()	0.18	80	796	3.0	200	3.3
87LY-221()	0.22	80	796	3.0	200	2.9
87LY-271()	0.27	80	796	3.0	200	2.6
87LY-331()	0.33	80	796	4.0	200	2.3
87LY-391()	0.39	80	796	4.0	200	2.1
87LY-471()	0.47	80	796	4.0	200	1.9
87LY-561()	0.56	80	796	4.0	200	1.7
87LY-681()	0.68	80	796	4.0	200	1.6
87LY-821()	0.82	80	796	6.0	200	1.4
87LY-102()	1.0	90	252	6.0	150	1.3
87LY-122()	1.2	90	252	9.0	150	1.2
87LY-152()	1.5	90	252	9.0	150	1.1
87LY-182()	1.8	90	252	9.0	100	1.0
87LY-222()	2.2	90	252	13.0	100	0.9
87LY-272()	2.7	90	252	13.0	100	0.8
87LY-332()	3.3	90	252	13.0	100	0.7
87LY-392()	3.9	90	252	13.0	50	0.7
87LY-472()	4.7	90	252	18.0	50	0.6
87LY-562()	5.6	90	252	18.0	50	0.6
87LY-682()	6.8	90	252	26.0	50	0.5
87LY-822()	8.2	90	252	26.0	50	0.5
87LY-103()	10.0	50	79.6	40.0	40	0.4
87LY-123()	12.0	50	79.6	40.0	40	0.4
87LY-153()	15.0	50	79.6	60.0	40	0.4
87LY-183()	18.0	50	79.6	60.0	30	0.3
87LY-223()	22.0	50	79.6	80.0	30	0.3
87LY-273()	27.0	50	79.6	80.0	30	0.3
87LY-333()	33.0	50	79.6	80.0	30	0.3

¹ Add the following inductance tolerance code to Part number within (): J = ±5%, K = 10%.

² The rated DC current is that which the inductance value decreases 10% by the applied DC current, measured at 1kHz by universal bridge or equivalent.

³ Self resonant frequency is for reference only.

Line Filters

FEATURES

- High Inductance
- Suitable for high density automatic insertion
- Ideal for high frequency applications

V Series (Vertical 290, 450, 650, & 850)
M Series (Type 11M, 14M, & 16M)

H Series (Horizontal 200, 270, 400, & 600)
N Series (Type 15N, 18N, 20N, 17N, 19N, 21N)

ELECTRICAL SPECIFICATIONS

Operating Temperature: -20°C TO +105°C

Rated Voltage: AC 250 Vrms Max

Dielectric Strength: 2Kvac/1 minute

V SERIES (VERTICAL)

Part Number	Inductance (mH min.)	Rated Current (A rms.) 50/60 Hz	Part Number	Inductance (mH min.)	Rated Current (A rms.) 50/60 Hz
TYPE 290			TYPE 650		
CT18D290B	0.82	2.0	CT18D650M	1.50	3.1
CT18D290D	1.20	1.6	CT18D650G	1.80	2.8
CT18D290V	1.80	1.5	CT18D650B	3.30	2.4
CT18D290T	2.20	1.3	CT18D650C	8.20	1.7
CT18D290E	2.70	1.1	CT18D650W	10.0	1.4
CT18D290S	3.30	1.1	CT18D650J	12.0	1.3
CT18D290R	3.90	1.0	CT18D650D	15.0	1.1
CT18D290M	5.60	0.8	CT18D650H	33.0	0.8
CT18D290P	6.80	0.7	CT18D650U	47.0	0.7
CT18D290L	8.20	0.6	CT18D650A	2.20	2.8
CT18D290G	10.0	0.6	CT18D650Z	2.70	2.7
CT18D290A	18.0	0.5	CT18D650Y	4.70	2.5
CT18D290C	22.0	0.4	CT18D650X	5.60	2.2
CT18D290H	33.0	0.3	CT18D650K	6.80	2.0
TYPE 450			CT18D650J	12.0	1.6
CT18D450M	1.20	3.0	CT18D650V	27.0	1.0
CT18D450C	2.20	2.2	CT18D650S	68.0	0.6
CT18D450A	2.70	2.0	TYPE 850		
CT18D450K	3.90	1.8	CT18D850M	1.50	5.0
CT18D450D	5.60	1.4	CT18D860B	2.20	4.5
CT18D450L	6.80	1.2	CT18D850B	3.30	4.2
CT18D450G	8.20	1.1	CT18D850P	3.90	3.7
CT18D450J	10.0	1.0	CT18D850Y	4.70	3.5
CT18D450B	18.0	0.8	CT18D850X	5.60	3.4
CT18D450H	39.0	0.5	CT18D850C	8.20	3.0
CT18D450Q	56.0	0.4	CT18D850W	10.0	2.5
			CT18D850D	15.0	2.0
			CT18D850Q	18.0	1.9
			CT18D860C	22.0	1.8
			CT18D850Z	27.0	1.5
			CT18D850H	33.0	1.4
			CT18D850U	47.0	1.2

Line Filters

H & M SERIES (HORIZONTAL AND VERTICAL)

Part Number	Inductance (mH min.)	Rated Current (A rms.) 50/60 Hz	Part Number	Inductance (mH min.)	Rated Current (A rms.) 50/60 Hz
TYPE 200			CT18D604	4.7	2.0
CT18D217	1.5	1.60	CT18D603	5.6	1.8
CT18D219	2.70	1.30	CT18D602	8.2	1.7
CT18D216	3.90	1.00	CT18D612	22.0	1.0
CT18D225	6.80	0.80	CT18D618	27.0	0.8
CT18D214	8.20	0.70	CT18D615	39.0	0.7
CT18D210	18.0	0.50	CT18D607	68.0	0.5
CT18D218	22.0	0.40	CT18D617F	2.2	2.8
CT18D212F	1.0	2.10	CT18D604F	4.7	2.5
CT18D230F	1.20	2.00	CT18D603F	5.6	2.1
CT18D228F	2.20	1.50	CT18D601F	10.0	1.6
CT18D227F	4.70	1.00	CT18D609F	12.0	1.6
CT18D221F	33.0	0.40	CT18D606F	18.0	1.2
CT18D235F	47.0	0.30	CT18D624F	33.0	0.8
CT18D222F	68.0	0.25	M SERIES • TYPE 11M		
TYPE 270			CT11M010E	30.0	0.1
CT18D270C	1.80	1.5	CT11M020E	12.0	0.2
CT18D270D	2.70	1.1	CT11M030E	6.0	0.3
CT18D270Q	5.60	0.8	CT11M040E	3.5	0.4
CT18D270A	6.80	0.7	CT11M050E	2.5	0.5
CT18D270G	10.0	0.6	CT11M060E	1.5	0.6
CT18D270H	18.0	0.5	CT11M070E	1.0	0.7
CT18D270B	22.0	0.4	CT11M080E	0.8	0.8
CT18D270J	33.0	0.3	CT11M090E	0.7	0.9
TYPE 400			CT11M0100E	0.5	1.0
CT18D419	1.50	2.4	TYPE 14M		
CT18D414	3.30	1.8	CT14M010E	30.0	0.1
CT18D433	3.90	1.5	CT14M020E	12.0	0.2
CT18D412	6.80	1.2	CT14M030E	6.0	0.3
CT18D415	8.20	1.0	CT14M040E	3.5	0.4
CT18D430	12.0	0.9	CT14M050E	2.5	0.5
CT18D423	27.0	0.6	CT14M060E	1.5	0.6
CT18D428	33.0	0.5	CT14M070E	1.0	0.7
CT18D441F	0.56	3.4	CT14M080E	0.8	0.8
CT18D420F	1.20	3.0	CT14M090E	0.7	0.9
CT18D435F	2.20	2.2	CT14M100E	0.5	1.0
CT18D434F	2.70	2.0	TYPE 16M		
CT18D424F	5.60	1.4	CT16M020A	28.0	0.2
CT18D431F	10.0	1.0	CT16M030A	20.0	0.3
CT18D417F	18.0	0.8	CT16M040A	15.0	0.4
CT18D427F	39.0	0.5	CT16M050A	8.0	0.5
CT18D437F	68.0	0.4	CT16M060A	7.0	0.6
TYPE 600			CT16M070A	5.0	0.7
CT18D608	1.0	3.4	CT16M080A	3.5	0.8
CT18D610	1.5	3.1	CT16M0100A	2.0	1.0
CT18D614	1.8	2.8	CT16M0130A	1.0	1.3
CT18D611	2.7	2.6	CT16M0150A	0.8	1.5

Line Filters

N SERIES

Part Number	Inductance (mH min.)	Rated Current (A rms.) 50/60 Hz	Part Number	Inductance (mH min.)	Rated Current (A rms.) 50/60 Hz
TYPE 15N			TYPE 17N		
CT15N002A	104.0	0.2	CT17N002A	142.0	0.2
CT15N003A	43.0	0.3	CT17N003A	60.0	0.3
CT15N004A	26.0	0.4	CT17N004A	35.0	0.4
CT15N005A	19.0	0.5	CT17N005A	26.0	0.5
CT15N006A	12.0	0.6	CT17N006A	16.0	0.6
CT15N007A	10.0	0.7	CT17N007A	14.0	0.7
CT15N008A	6.8	0.8	CT17N008A	9.2	0.8
CT15N010A	5.3	1.0	CT17N010A	7.2	1.0
CT15N011A	4.0	1.1	CT17N011A	5.4	1.1
CT15N013A	2.7	1.3	CT17N013A	3.7	1.3
CT15N015A	2.1	1.5	CT17N015A	2.9	1.5
CT15N017A	1.7	1.7	CT17N017A	2.3	1.7
CT15N022A	1.0	2.2	CT17N022A	1.3	2.2
CT15N030A	0.6	3.0	CT17N030A	0.8	3.0
TYPE 18N			TYPE 19N		
CT18N004A	80.0	0.4	CT19N004A	99.0	0.4
CT18N005A	50.0	0.5	CT19N005A	65.0	0.5
CT18N006A	35.0	0.6	CT19N006A	43.0	0.6
CT18N008A	20.0	0.8	CT19N008A	25.0	0.8
CT18N010A	15.0	1.0	CT19N010A	19.0	1.0
CT18N012A	9.5	1.2	CT19N012A	12.0	1.2
CT18N016A	6.0	1.6	CT19N016A	7.4	1.6
CT18N020A	4.2	2.0	CT19N020A	5.1	2.0
CT18N025A	2.4	2.5	CT19N025A	3.0	2.5
CT18N032A	1.4	3.2	CT19N032A	1.7	3.2
TYPE 20N			TYPE 21N		
CT20N006A	69.0	0.6	CT21N006A	87.0	0.6
CT20N008A	43.0	0.8	CT21N008A	54.0	0.8
CT20N010A	28.0	1.0	CT21N010A	36.0	1.0
CT20N013A	18.0	1.3	CT21N013A	22.0	1.3
CT20N015A	14.0	1.5	CT21N015A	18.0	1.5
CT20N016A	12.0	1.6	CT21N016A	15.0	1.6
CT20N018A	7.5	1.8	CT21N018A	9.4	1.8
CT20N020A	7.0	2.0	CT21N020A	8.7	2.0
CT20N022A	6.2	2.2	CT21N022A	7.8	2.2
CT20N024A	4.9	2.4	CT21N024A	6.1	2.4
CT20N027A	4.7	2.7	CT21N027A	5.8	2.7
CT20N030A	2.9	3.0	CT21N030A	3.7	3.0
CT20N035A	2.0	3.5	CT21N035A	2.5	3.5
CT20N040A	1.5	4.0	CT21N040A	1.9	4.0

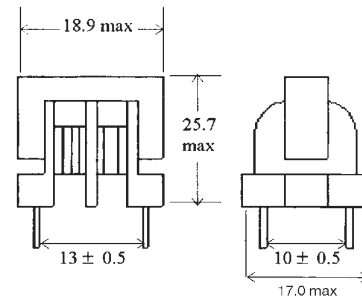
COMMON MODE CHOKES, UU STYLE

CCMU16 Series, 250 VAC

Common mode chokes are used to minimize the common mode noise fed back into the power line by switching power supplies and other devices such as triacs, SCRs relays, etc.

CET common mode chokes incorporate several features that help designers meet the filtering requirements of international safety agencies as well as to optimize the circuit for particular noise levels and frequencies produced by each power supply design.

- 3 mm creepage for meeting UL, VDE IEC, CSA requirements
- UL approved Class 130°C insulation system is available
- 3750 RMS isolation between windings
- Windings balanced within 1%



(Unit: mm)

SPECIFICATIONS FOR CMU16 SERIES

Part Number	Inductance* L (mH)	Rated** Current (Arms)	DCR Max Ω
CCMU16-333	33.0	0.3	3.50
CCMU16-223	33.0	0.4	2.00
CCMU16-153	22.0	0.5	1.50
CCMU16-103	15.0	0.5	1.50
CCMU16-802	10.0	0.5	1.00
CCMU16-602	8.0	0.8	0.50
CCMU16-502	6.0	0.6	0.70
CCMU16-322	5.0	1.2	0.30
CCMU16-302	3.2	1.0	0.34
CCMU16-202	2.0	1.0	0.30
CCMU16-101	1.0	1.0	0.25
CCMU16-102	1.0	2.0	0.15
CCMU16-152	1.5	2.0	0.20

* Inductance is minimum per winding, as measured on HP 4263A meter or equivalent.

** At the rated current temperature, rise is less than 60°C.

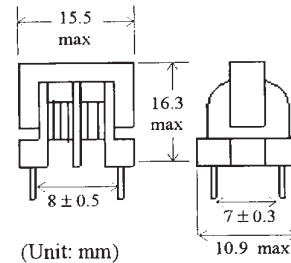
For custom values of inductance and current ratings, contact CET.

COMMON MODE CHOKES, UU STYLE

Special Small Size CCMU10 Series

CCMU10 common mode chokes have been specially developed by CET in a very small package size in order to save the crucial printed circuit area. A wide range of inductance values are available for the designers to choose from.

- 1.6 mm creepage for meeting UL, CSA requirements
- UL approved Class 130°C insulation system is available
- 1500 VRMS isolation between windings
- Windings balanced within 1%



SPECIFICATIONS FOR CMU10 SERIES

Part Number	Inductance* L (mH)	Rated** Current (Arms)	DCR Max Ω
CCMU10-221	0.22	0.71	0.04
CCMU10-391	0.39	0.58	0.06
CCMU10-471	0.47	0.50	0.08
CCMU10-561	0.56	0.47	0.09
CCMU10-681	0.68	0.45	0.10
CCMU10-821	0.82	0.40	0.13
CCMU10-102	1.0	0.38	0.14
CCMU10-152	1.5	0.30	0.23
CCMU10-222	2.2	0.27	0.27
CCMU10-272	2.7	0.24	0.35
CCMU10-332	3.3	0.20	0.53
CCMU10-392	3.9	0.19	0.57
CCMU10-472	4.7	0.18	0.63
CCMU10-562	5.6	0.15	0.87
CCMU10-682	6.8	0.13	1.15
CCMU10-822	8.2	0.12	1.30
CCMU10-103	10	0.10	1.80
CCMU10-153	15	0.08	2.80
CCMU10-223	22	0.07	3.50
CCMU10-273	27	0.06	4.80
CCMU10-333	33	0.05	6.70

* Inductance is minimum per winding, as measured on HP 4263A meter or equivalent.

** At the rated current temperature, rise is less than 60°C.

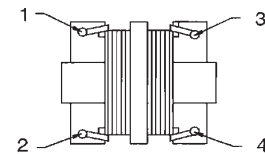
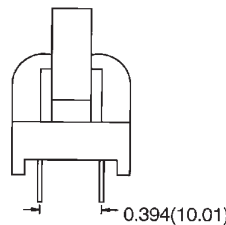
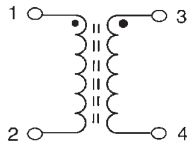
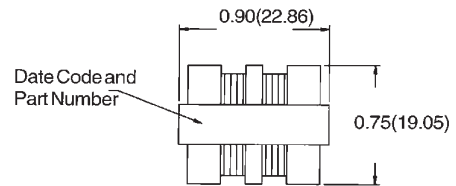
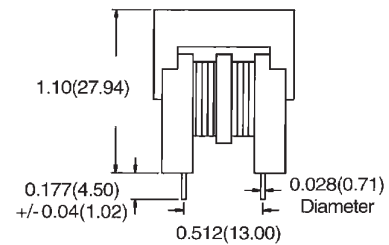
For custom values of inductance and current ratings, contact CET.

COMMON MODE CHOKES

Common Mode chokes can be used to minimize EMI radiated noise in the common mode on all power applications. CET offers a variety of inductances and rated currents to provide full coverage of power requirements.

- 2000 volts AC for 60 seconds isolation voltage
- 250 volts AC/DC rated voltage
- Insulation resistance is 100 Mohms minimum at 500 VDC

ELECTRICAL SPECIFICATIONS @ 25°C			
Part Number	Rated Current 1/Line	Inductance OCL (mH) Min.	DCR (ohm/line) Max
CCMU23-0303-00	0.40	30.0	2.80
CCMU23-0203-00	0.40	20.0	2.20
CCMU23-0203-01	0.50	20.0	1.60
CCMU23-0103-00	0.60	10.0	1.20
CCMU23-0083-00	0.80	8.00	0.80
CCMU23-0063-00	0.80	6.00	0.70
CCMU23-0063-01	1.00	6.00	0.50
CCMU23-0043-00	1.00	4.00	0.40
CCMU23-0033-00	0.75	3.00	1.00
CCMU23-0033-01	1.20	3.00	0.40
CCMU23-0023-00	1.20	2.00	0.30
CCMU23-0013-00	1.50	1.50	0.30



Cross Reference: Bel 0571 Series

CET COMMON MODE CHOKES

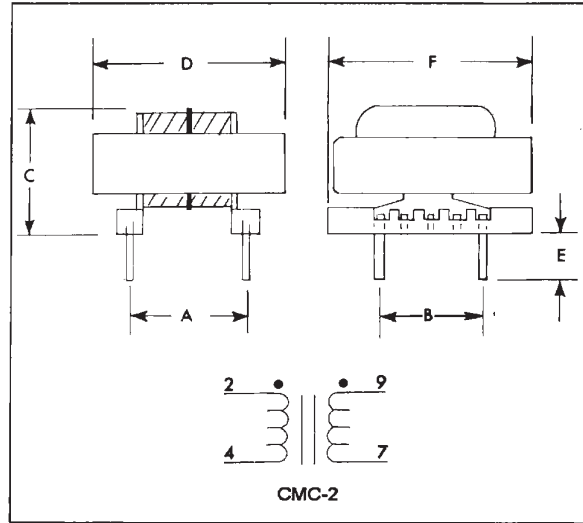
MODEL CMC-

FEATURES

CET Common Mode Chokes are designed to help meet U.S. and international requirements for safety and EMI. By placing these chokes at the inputs of electrical equipment or circuits, EMI feedback can be kept within specified limits. These low-priced chokes are available in a wide range of standard inductances and current ratings from 100mA to 5.5 AMPS

- Low profile
- 2500 VAC hipot
- Custom versions also available

Style	TYPICAL DIMENSIONS						Size	Term. No.
	A	B	C	D	E	F		
CMC-1	.515	.200	.622	.750	.175	0.850	.025 SQ.	4
CMC-2	.630	.400	.797	.850	.175	1.100	.025 SQ.	4



CET Part No.	L@ 1KC (μH)*	Max. DCR (Ohms)	Suggested Rated Current	Leakage L. Max. (μH)†	Max. Interwinding Capacitance (pF)
CMC-1-47	47	.016	3.5	4.0	6.
CMC-1-56	56	.018	3.5	4.0	7.
CMC-1-68	68	.019	3.5	5.0	8.
CMC-1-82	82	.023	2.8	5.5	8.5
CMC-1-100	100	.025	2.8	6.0	8.5
CMC-1-120	120	.028	2.8	6.5	8.5
CMC-1-150	150	.030	2.8	7.5	8.5
CMC-1-180	180	.038	2.2	8.0	8.5
CMC-1-220	220	.044	2.2	9.0	8.5
CMC-1-270	270	.051	2.2	10.	8.5
CMC-1-330	330	.058	1.7	11.	8.5
CMC-1-470	470	.078	1.4	16.	8.5
CMC-1-560	560	.091	1.4	18.	10.
CMC-1-680	680	.115	1.1	20.	10.
CMC-1-820	820	.131	1.1	25.	11.5
CMC-1-1000	1000	.194	.88	35.	11.5
CMC-1-1200	1200	.219	.88	47.	11.5
CMC-1-1500	1500	.278	.70	49.	11.5
CMC-1-1800	1800	.306	.70	59.	11.5
CMC-1-2200	2200	.431	.55	76.	12.5
CMC-1-2700	2700	.469	.55	91.	12.5
CMC-1-3300	3300	.531	.55	101.	17.
CMC-1-3900	3900	.689	.44	135.	17.
CMC-1-4700	4700	.780	.44	158.	17.
CMC-1-5600	5600	.853	.44	196.	17.
CMC-1-6800	6800	1.24	.35	257.	17.
CMC-1-8200	8200	1.40	.35	296.	17.
CMC-1-10000	10000	1.61	.35	362.	17.
CMC-1-12000	12000	1.98	.27	410.	17.
CMC-1-15000	15000	2.24	.27	503.	17.
CMC-1-18000	18000	2.45	.27	602.	17.
CMC-1-22000	22000	3.49	.22	730.	20.
CMC-1-27000	27000	4.60	.17	870.	20.
CMC-1-33000	33000	5.21	.17	1150.	20.
CMC-1-39000	39000	7.19	.13	1300.	20.
CMC-1-47000	47000	7.80	.13	1541.	20.
CMC-1-56000	56000	8.69	.13	1875.	20.
CMC-1-68000	68000	9.69	.13	2254.	20.
CMC-1-82000	82000	13.1	.10	2702.	25.
CMC-1-100000	100000	14.6	.10	3289.	36.
CMC-1-120000	120000	16.0	.10	3456.	36.

* Measured between 2 and 3 or 6 and 7.
† Measured with 2 and 3 shorted or 6 and 7 shorted.

CET Part No.	L@ 1KC (μH)*	Max. DCR (Ohms)	Suggested Rated Current	Leakage L. Max. (μH)†	Max. Interwinding Capacitance (pF)
CMC-2-56	56	.013	5.5	3.5	9.
CMC-2-68	68	.013	5.5	3.5	9.
CMC-2-82	82	.013	5.5	3.5	9.
CMC-2-100	100	.013	5.5	3.5	9.
CMC-2-120	120	.015	5.5	4.8	9.
CMC-2-150	150	.016	5.5	6.5	9.
CMC-2-180	180	.019	4.5	7.2	9.
CMC-2-220	220	.023	4.5	7.75	10.
CMC-2-270	270	.026	4.5	9.5	10.
CMC-2-330	330	.028	3.5	12.5	11.5
CMC-2-470	470	.033	3.5	14.	11.5
CMC-2-560	560	.038	3.5	18.	11.5
CMC-2-680	680	.040	3.5	23.	11.5
CMC-2-820	820	.063	2.8	26.	11.5
CMC-2-1000	1000	.068	2.8	35.	12.5
CMC-2-1200	1200	.099	2.2	40.	12.5
CMC-2-1500	1500	.115	1.7	43.	12.5
CMC-2-1800	1800	.131	1.7	54.	12.5
CMC-2-2200	2200	.174	.14	61.5	12.5
CMC-2-2700	2700	.188	1.4	118.	12.5
CMC-2-3300	3300	.331	1.1	135.	15.
CMC-2-3900	3900	.438	1.1	155.	15.
CMC-2-4700	4700	.500	.88	168.	15.
CMC-2-5600	5600	.525	.88	216.	15.
CMC-2-6800	6800	.625	.70	246.	15.
CMC-2-8200	8200	.813	.70	257.	15.
CMC-2-10000	10000	.875	.70	293.	15.
CMC-2-12000	12000	.938	.55	370.	15.
CMC-2-15000	15000	1.1	.70	435.	17.
CMC-2-18000	18000	1.5	.55	514.	17.
CMC-2-22000	22000	1.9	.55	527.	17.
CMC-2-27000	27000	2.1	.44	637.	17.
CMC-2-33000	33000	2.4	.44	812.	17.
CMC-2-39000	39000	3.0	.44	1000.	17.
CMC-2-47000	47000	3.1	.44	1137.	17.
CMC-2-56000	56000	4.4	.35	1400.	17.
CMC-2-68000	68000	5.3	.27	1950.	17.
CMC-2-82000	82000	5.9	.27	2475.	18.75
CMC-2-100000	100000	6.9	.27	2625.	18.75
CMC-2-120000	120000	9.4	.22	3200.	18.75
CMC-2-150000	150000	10.6	.22	3800.	18.75

* Measured between 2 and 4 or 7 and 9.
† Measured with 2 and 4 shorted or 7 and 9 shorted.

CROSS REFERENCE:RENCO RL-1361-1 and RL-1361-2