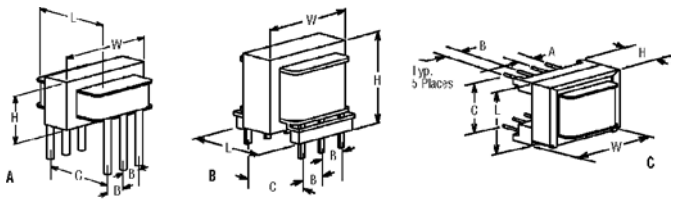
Telephone Coupling/Impedance Matching Transformers



Features

- Small and Lightweight, All Items Weigh Under 1 Oz.
- Low Insertion Losses
- Some Items Offer Dual Secondary Windings for Greater Flexibility
- Low Distortion — 0.5% Max.

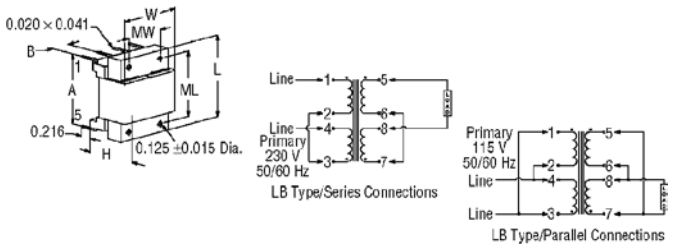
Specifications

Maximum Operating Temperature: 105°C. **Dielectric Strength:** 1500 VRMS. **Maximum Distortion:** 0.5% @ 300-3.5 KHz. **Frequency Response:** ±0.5 dB 300-3.5 KHz. **Longitudinal Balance:** 60 dB min @ 200-1 KHz, 40 dB min. @ 4 KHz.

Stock No.	Mfr.'s Type	Fig.	Impedance		Primary DCR	Dimensions — Inches					Weight (Oz.)	EACH
			Primary ±15%	Secondary ±10%		W	L	H	B	C		1-49
928-9012	TTPC-2*‡	A	600	600	46	0.781	0.650	0.490	0.145	0.530	0.5	**4.04**
928-7615	TTPC-3*‡	A	600 C.T.	600 C.T.	46	0.781	0.650	0.490	0.145	0.530	0.5	**4.04**
928-9020	TTPC-6†•	B	600	600 C.T.	71	0.815	0.650	0.750	0.187	0.421	1.0	**2.84**
928-9022	TTPC-7*‡	B	600	600	36	0.781	0.650	0.740	0.187	0.421	0.6	**2.84**
928-9024	TTPC-8*‡	B	600 C.T.	600 C.T.	36	0.781	0.650	0.740	0.187	0.421	0.6	**2.84**
928-7620	TTPC-9*‡	B	600	600/600	47	1.040	0.958	0.859	0.200	0.781	1.0	**2.84**
928-9500	TTPC-13	C	600	600 C.T.	73	0.815	0.750	0.625	0.200	0.500	0.5	**2.36**

*DC current — 0 mA. †DC current — 90 mA. ‡Insertion losses — 1.2 dB max. @ 1 KHz. •Insertion losses — 1.8 dB max. @ 1 KHz.

Low Profile Transformers Low Boy™ Series



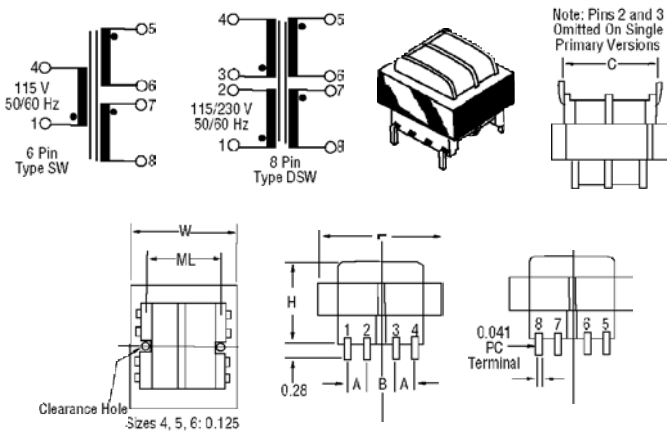
Explanation of Low Boy Interconnections. Because of the toroidal effect, two identical coils are connected in series or parallel, but one of the coils must be connected in reverse in order to get correct polarity and voltage.

The Low-Boy power transformer is designed to surpass competitive market offerings in cost, size and versatility to the designer. Applicable to low clearance, stacked printed circuit board and solid state power designs, the Low-Boy will allow closer board stack spacing at lower power levels (down to 200 mA at 10 volts). Semi-toroidal construction reduces radiated magnetic fields and results in balanced windings. Non-concentric winding provides isolation by design, eliminating the need for an electrostatic shield. Allow ¾" card spacing for 2 and 3, VA units; 1" for 4, 5, and 6 VA; 1¼" for 12 VA units. Dual primaries — 115/230 V, 50/60 Hz. Allows standard hi Pot — 2000 volts. Precision spaced PC terminals. UL recognized unit (file card E-68100).

Output Watts	Dimensions (Inches)				
	H	W	L	A	B
2, 3	0.625	1.562	1.875	1.600	0.375
6	0.875	1.562	1.875	1.600	0.375
12	1.062	2.000	2.500	2.000	0.500

Stock No.	Mfr.'s Type	VA or Watts	Secondary		Wt. Oz.	EACH	
			Series	Parallel		1-49	50-99
928-5103	LB240	2	40.0 V C.T. @ 60 MA	20.0 V @ 120 MA	4.5	**8.96**	**8.35**
928-5108	LB315	3	15.0 V C.T. @ 225 MA	7.5 V @ 450 MA	4.5	**9.05**	**8.44**
928-5119	LB610	6	10.0 V C.T. @ 600 MA	5.0 V @ 1.2 A	5.5	**9.70**	**9.04**
928-5121	LB612	6	12.6 V C.T. @ 450 MA	6.3 V @ 900 MA	5.5	**9.70**	**9.04**
928-5123	LB616	6	16.0 V C.T. @ 350 MA	8.0 V @ 700 MA	5.5	**9.70**	**9.04**
928-5125	LB620	6	20.0 V C.T. @ 300 MA	10.0 V @ 600 MA	5.5	**9.70**	**9.04**
928-5129	LB634	6	34.0 V C.T. @ 170 MA	17.0 V @ 340 MA	5.5	**9.70**	**9.04**
928-5122	LB1212	12	12.6 V C.T. @ 900 MA	6.3 V @ 1.8 A	11.5	**10.33**	**9.63**
928-5128	LB1224	12	24.0 V C.T. @ 500 MA	12.0 V @ 1 A	11.5	**10.32**	**9.62**
928-5130	LB1234	12	34.0 V C.T. @ 340 MA	17.0 V @ 680 MA	11.5	**10.33**	**9.63**
928-5132	LB1240	12	40.0 V C.T. @ 300 MA	20.0 V @ 600 MA	11.5	**10.33**	**9.63**
928-5140	LB12230	12	230.0 V C.T. @ 50 MA	115.0 V @ 100 MA	11.5	**10.33**	**9.63**

Split Bobbin PC Mount Transformers Side Winder Series



Side Winder applications include electronic game systems, computer peripherals, medical electronics, and switching power supplies. Split bobbin winding and low capacitive coupling design eliminates electrostatic shielding requirement and expense. High isolation, 2,500 V rms. Hi-Pot testing. PC pins, precision spaced, insert directly into PC boards. Class B insulation, 130° C.

Size	VA	Dimensions (Inches)							Wt. Lbs.
		H	W	L	ML	A	B	C	
2	1.1	15/16	1 1/8	1 3/8	—	0.250	0.250	1.200	0.17
3	2.5	1 3/16	1 1/8	1 3/8	—	0.250	0.250	1.200	0.25
4	6.0	1 5/16	1 5/16	1 5/8	1 1/16	0.250	0.350	1.280	0.44
5	12.0	1 7/16	1 9/16	1 7/8	1 1/4	0.300	0.400	1.410	0.70
6	20.0	1 7/16	1 7/8	2 1/4	1 1/2	0.300	0.400	1.600	0.80

"Side Winder" Single 115 V, 50/60 Hz, 6 Pin

Note: First digit after "SW" in Mfr.'s Type indicates size code listed above.

Stock No.	Mfr.'s Type	Secondary RMS Rating			EACH	
		Individual	Series	Parallel	1-9	10-24
928-0100	SW-210	5.0 V @ 0.110 A	10.0 V C.T. @ 0.110 A	5.0 V @ 0.22 A	**5.84**	**5.45**
928-0102	SW-410	5.0 V @ 0.600 A	10.0 V C.T. @ 0.600 A	5.0 V @ 1.20 A	**7.46**	**6.95**
928-0103	SW-510	5.0 V @ 1.200 A	10.0 V C.T. @ 1.200 A	5.0 V @ 2.40 A	**7.88**	**7.35**
928-0105	SW-212	6.3 V @ 0.090 A	12.6 V C.T. @ 0.090 A	6.3 V @ 0.18 A	**5.84**	**5.45**
928-0106	SW-312	6.3 V @ 0.200 A	12.6 V C.T. @ 0.200 A	6.3 V @ 0.40 A	**6.27**	**5.84**
928-0107	SW-412	6.3 V @ 0.500 A	12.6 V C.T. @ 0.500 A	6.3 V @ 1.00 A	**7.46**	**6.95**
928-0108	SW-512	6.3 V @ 1.000 A	12.6 V C.T. @ 1.000 A	6.3 V @ 2.00 A	**7.88**	**7.35**
928-0612	SW-612	6.3 V @ 1.600 A	12.6 V C.T. @ 1.600 A	6.3 V @ 3.20 A	**9.61**	**8.96**
928-0110	SW-216	8.0 V @ 0.070 A	16.0 V C.T. @ 0.070 A	8.0 V @ 0.14 A	**5.84**	**5.45**
928-0111	SW-316	8.0 V @ 0.150 A	16.0 V C.T. @ 0.150 A	8.0 V @ 0.30 A	**6.27**	**5.84**
928-0112	SW-416	8.0 V @ 0.400 A	16.0 V C.T. @ 0.400 A	8.0 V @ 0.80 A	**7.46**	**6.95**
928-0113	SW-516	8.0 V @ 0.800 A	16.0 V C.T. @ 0.800 A	8.0 V @ 1.60 A	**7.88**	**7.35**
928-0114	SW-616	8.0 V @ 1.250 A	16.0 V C.T. @ 1.250 A	8.0 V @ 2.50 A	**9.61**	**8.96**
928-0116	SW-320	10.0 V @ 0.120 A	20.0 V C.T. @ 0.120 A	10.0 V @ 0.24 A	**6.27**	**5.85**
928-0117	SW-420	10.0 V @ 0.300 A	20.0 V C.T. @ 0.300 A	10.0 V @ 0.60 A	**7.46**	**6.95**
928-0218	SW-520	10.0 V @ 0.600 A	20.0 V C.T. @ 0.600 A	10.0 V @ 1.20 A	**8.25**	**7.69**
928-0120	SW-224	12.0 V @ 0.045 A	24.0 V C.T. @ 0.045 A	12.0 V @ 0.09 A	**5.84**	**5.45**
928-0121	SW-324	12.0 V @ 0.100 A	24.0 V C.T. @ 0.100 A	12.0 V @ 0.20 A	**6.27**	**5.84**
928-0122	SW-424	12.0 V @ 0.250 A	24.0 V C.T. @ 0.250 A	12.0 V @ 0.50 A	**7.46**	**6.95**
928-0123	SW-524	12.0 V @ 0.500 A	24.0 V C.T. @ 0.500 A	12.0 V @ 1.00 A	**7.89**	**7.35**
928-0127	SW-428	14.0 V @ 0.200 A	28.0 V C.T. @ 0.200 A	14.0 V @ 0.40 A	**7.46**	**6.95**
928-0128	SW-528	14.0 V @ 0.420 A	28.0 V C.T. @ 0.420 A	14.0 V @ 0.84 A	**7.88**	**7.35**
928-0129	SW-628	14.0 V @ 0.700 A	28.0 V C.T. @ 0.700 A	14.0 V @ 1.40 A	**9.61**	**8.96**
928-0137	SW-436	18.0 V @ 0.170 A	36.0 V C.T. @ 0.170 A	18.0 V @ 0.34 A	**7.46**	**6.95**
928-0138	SW-536	18.0 V @ 0.350 A	36.0 V C.T. @ 0.350 A	18.0 V @ 0.70 A	**7.88**	**7.35**

"Side Winder" Dual 115/230 V, 50/60 Hz, 8 Pin

Note: First digit after "DSW" in Mfr.'s Type indicates size code listed above.

Stock No.	Mfr.'s Type	Secondary RMS Rating			EACH	
		Individual	Series	Parallel	1-9	10-24
928-0200	DSW-210	5.0 V @ 0.110 A	10.0 V C.T. @ 0.110 A	5.0 V @ 0.22 A	**6.27**	**5.84**
928-0201	DSW-310	5.0 V @ 0.250 A	10.0 V C.T. @ 0.250 A	5.0 V @ 0.50 A	**6.73**	**6.28**
928-0206	DSW-312	6.3 V @ 0.200 A	12.6 V C.T. @ 0.200 A	6.3 V @ 0.40 A	**6.72**	**6.27**
928-0207	DSW-412	6.3 V @ 0.500 A	12.6 V C.T. @ 0.500 A	6.3 V @ 1.00 A	**7.88**	**7.35**
928-0512	DSW-512	6.3 V @ 1.000 A	12.6 V C.T. @ 1.000 A	6.3 V @ 2.00 A	**8.25**	**7.69**
928-0209	DSW-612	6.3 V @ 1.600 A	12.6 V C.T. @ 1.600 A	6.3 V @ 3.20 A	**10.37**	**9.66**
928-0210	DSW-216	8.0 V @ 0.070 A	16.0 V C.T. @ 0.070 A	8.0 V @ 0.14 A	**6.27**	**5.84**
928-0212	DSW-416	8.0 V @ 0.400 A	16.0 V C.T. @ 0.400 A	8.0 V @ 0.80 A	**7.89**	**7.35**
928-0213	DSW-516	8.0 V @ 0.800 A	16.0 V C.T. @ 0.800 A	8.0 V @ 1.60 A	**8.25**	**7.69**
928-0211	DSW-316	8.0 V @ 0.150 A	16.0 V C.T. @ 1.500 A	8.0 V @ 0.30 A	**6.72**	**6.27**
928-0214	DSW-616	8.0 V @ 1.250 A	16.0 V C.T. @ 1.250 A	8.0 V @ 2.50 A	**10.36**	**9.66**
928-0216	DSW-320	10.0 V @ 0.120 A	20.0 V C.T. @ 0.120 A	10.0 V @ 0.20 A	**6.72**	**6.27**
928-0217	DSW-420	10.0 V @ 0.300 A	20.0 V C.T. @ 0.300 A	10.0 V @ 0.60 A	**7.88**	**7.35**
928-0218	DSW-520	10.0 V @ 0.600 A	20.0 V C.T. @ 0.600 A	10.0 V @ 1.20 A	**8.25**	**7.69**
928-0219	DSW-620	10.0 V @ 1.000 A	20.0 V C.T. @ 1.000 A	10.0 V @ 2.00 A	**10.37**	**9.66**
928-0221	DSW-324	12.0 V @ 0.100 A	24.0 V C.T. @ 0.100 A	12.0 V @ 0.24 A	**6.72**	**6.27**
928-0222	DSW-424	12.0 V @ 0.250 A	24.0 V C.T. @ 0.250 A	12.0 V @ 0.50 A	**8.04**	**7.30**
928-0223	DSW-524	12.0 V @ 0.500 A	24.0 V C.T. @ 0.500 A	12.0 V @ 1.00 A	**8.26**	**7.70**
928-0224	DSW-624	12.0 V @ 0.800 A	24.0 V C.T. @ 0.800 A	12.0 V @ 1.60 A	**10.36**	**9.66**
928-0225	DSW-228	14.0 V @ 0.040 A	28.0 V C.T. @ 0.040 A	14.0 V @ 0.08 A	**6.27**	**5.84**
928-0226	DSW-328	14.0 V @ 0.085 A	28.0 V C.T. @ 0.085 A	14.0 V @ 0.17 A	**6.72**	**6.27**
928-0228	DSW-528	14.0 V @ 0.420 A	28.0 V C.T. @ 0.420 A	14.0 V @ 0.84 A	**8.25**	**7.69**
928-0235	DSW-236	18.0 V @ 0.030 A	36.0 V C.T. @ 0.030 A	18.0 V @ 0.06 A	**6.27**	**5.84**
928-0237	DSW-436	18.0 V @ 0.170 A	36.0 V C.T. @ 0.017 A	18.0 V @ 0.34 A	**7.88**	**7.35**
928-0238	DSW-536	18.0 V @ 0.350 A	36.0 V C.T. @ 0.350 A	18.0 V @ 0.70 A	**8.25**	**7.69**
928-0239	DSW-636	18.0 V @ 0.550 A	36.0 V C.T. @ 0.550 A	18.0 V @ 1.10 A	**10.36**	**9.66**