

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

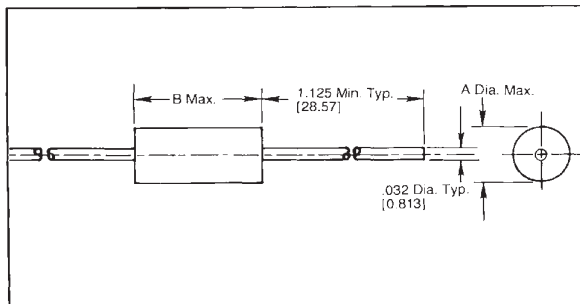
MECHANICAL

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.

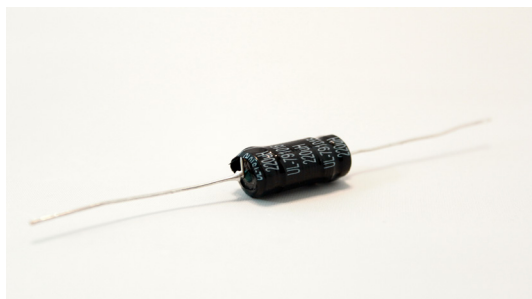
1. Basic model
2. Inductance value (μH)
3. Inductance tolerance

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)	INDUCT @1KHz (μh 15%)	DCR (Max.) (Ω)	RATED CURRENT Max. (Amps)
3.9	0.008	1.280	3.9	0.007	4.000
4.7	0.010	1.280	4.7	0.008	4.000
5.6	0.013	1.280	5.6	0.009	4.000
6.8	0.014	1.280	6.8	0.011	4.000
8.2	0.022	1.280	8.2	0.013	4.000
10	0.024	1.280	10	0.017	4.000
12	0.031	1.280	12	0.019	4.000
15	0.033	1.280	15	0.022	4.000
18	0.036	1.280	18	0.023	4.000
22	0.046	1.280	22	0.026	4.000
27	0.054	1.280	27	0.027	4.000
33	0.066	1.280	33	0.032	4.000
39	0.094	1.280	39	0.033	4.000
47	0.109	1.010	47	0.035	4.000
56	0.140	0.804	56	0.037	3.200
68	0.146	0.804	68	0.044	2.500
82	0.152	0.804	82	0.060	2.000
100	0.208	0.804	100	0.080	1.600
120	0.283	0.804	120	0.090	1.600
150	0.340	0.632	150	0.107	1.600
180	0.362	0.508	180	0.123	1.600
220	0.430	0.508	220	0.138	1.600
270	0.557	0.508	270	0.162	1.600
330	0.665	0.508	330	0.183	1.600
390	0.772	0.400	390	0.212	1.600
470	1.150	0.400	470	0.281	1.200
560	1.270	0.315	560	0.360	1.000
680	1.610	0.315	680	0.404	1.000
820	1.960	0.250	820	0.548	0.800
1000	2.300	0.200	1000	0.622	0.800
1200	2.650	0.200	1200	0.884	0.600
1500	3.450	0.200	1500	1.040	0.600
1800	4.030	0.158	1800	1.180	0.600
2200	4.480	0.158	2200	1.570	0.500
2700	5.400	0.125	2700	2.060	0.400
3300	6.560	0.125	3300	2.530	0.400
3900	8.630	0.100	3900	2.750	0.400
4700	9.660	0.100	4700	3.190	0.400
5600	13.900	0.082	5600	3.920	0.315
6800	16.300	0.082	6800	5.690	0.250
8200	20.800	0.065	8200	6.320	0.250
10000	26.400	0.050	10000	7.300	0.250
12000	29.900	0.050	12000	9.210	0.200
15000	42.500	0.039	15000	10.500	0.200
18000	46.300	0.039	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

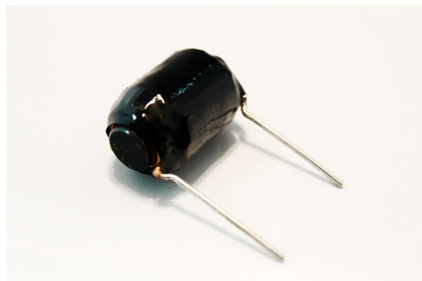
MODEL HIR

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

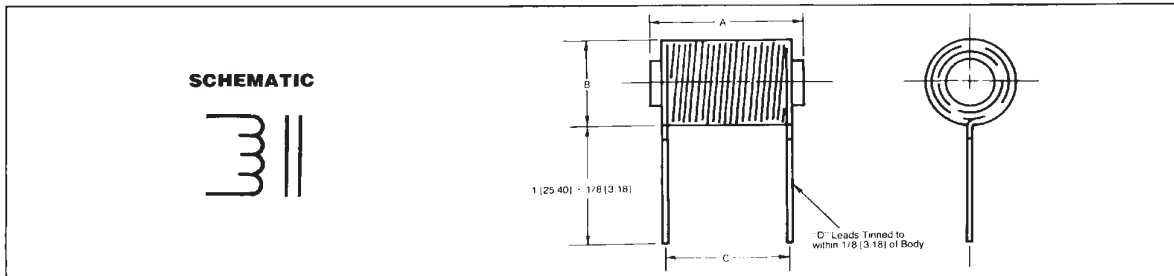
MODEL	IND. @ 1 KHz ±10%*	RATED CURRENT (Max.)	DC RESISTANCE (Max.)	INCREMENTAL CURRENT**
HIR-3	5 μ h	10 amps	.015 Ω	16 amps
HIR-3	10 μ h	9 amps	.018 Ω	13 amps
HIR-3	27 μ h	7 amps	.035 Ω	10 amps
HIR-3	50 μ h	5.6 amps	.050 Ω	7 amps
HIR-3	100 μ h	5.2 amps	.065 Ω	6 amps
HIR-3	150 μ h	5 amps	.075 Ω	5 amps
HIR-3	250 μ h	5 amps	.090 Ω	4 amps
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
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
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 (0.13)
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)
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)
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)
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

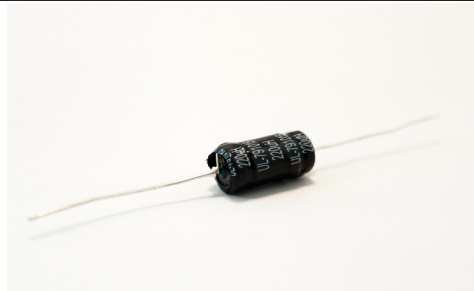
Winding: Layered solenoid type with magnetic core

Wire: Solid soft copper

Terminals: Tinned copper leads

Coating: Polyolefin tubing

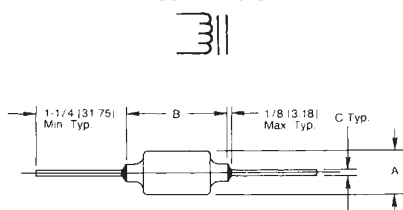
ORDERING INFORMATION



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

SCHEMATIC



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)

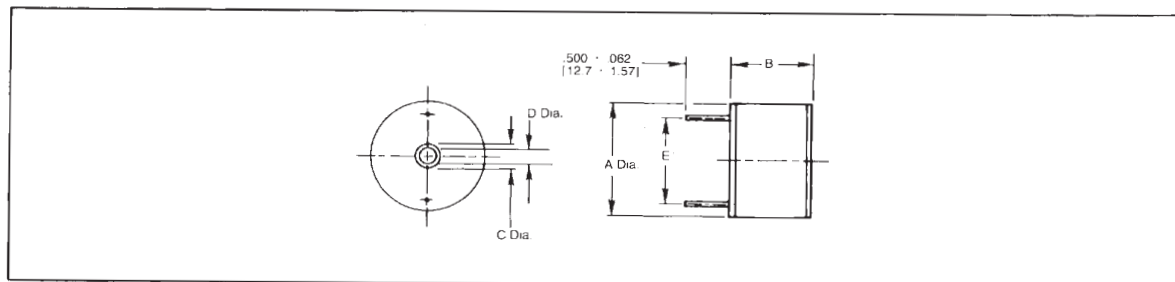
MECHANICAL

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

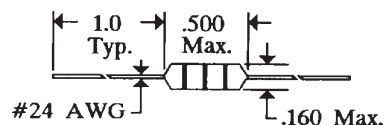
Drum / Bobbin Inductor Series

ELECTRICAL & MECHANICAL SPECIFICATIONS (Numbers in brackets indicate millimeters)

Model	Induct (μ H)	Tol. (%)	DCR (max.) (Ω)	Rated Current (Amps)	Approx. Lead "E" Spacing (")
HID-1	1	20	0.003	9.0	0.550 (13.97)
	1.2	20	0.003	9.0	0.550 (13.97)
	1.5	20	0.004	9.0	0.550 (13.97)
	1.8	20	0.004	9.0	0.550 (13.97)
	2.2	20	0.005	9.0	0.550 (13.97)
	2.7	20	0.005	9.0	0.550 (13.97)
	3.3	20	0.005	9.0	0.550 (13.97)
	3.9	20	0.006	9.0	0.550 (13.97)
	4.7	20	0.007	9.0	0.550 (13.97)
	5.6	20	0.007	9.0	0.550 (13.97)
	6.8	20	0.008	9.0	0.550 (13.97)
	8.2	20	0.009	9.0	0.550 (13.97)
	10	10	0.010	9.0	0.550 (13.97)
	12	10	0.011	9.0	0.550 (13.97)
	15	10	0.015	7.2	0.500 (12.70)
	18	10	0.018	7.2	0.500 (12.70)
	22	10	0.020	5.5	0.500 (12.70)
	27	10	0.030	4.5	0.500 (12.70)
	33	10	0.040	4.0	0.475 (12.06)
	39	10	0.046	4.0	0.475 (12.06)
	47	10	0.062	2.8	0.470 (11.94)
	56	10	0.069	2.8	0.470 (11.94)
	68	10	0.077	2.8	0.500 (12.70)
	82	10	0.083	2.8	0.500 (12.70)
	100	10	0.095	2.8	0.500 (12.70)
	120	10	0.127	2.0	0.500 (12.70)
	150	10	0.181	1.6	0.500 (12.70)
	180	10	0.217	1.6	0.500 (12.70)
	220	10	0.240	1.6	0.500 (12.70)
	270	10	0.300	1.6	0.480 (12.19)
	330	10	0.336	1.3	0.480 (12.19)
	390	10	0.460	1.0	0.480 (12.19)
	470	10	0.636	0.8	0.475 (12.06)
	560	10	0.696	0.8	0.475 (12.06)
HID-2	1	20	0.003	11.4	0.620 (15.75)
	1.2	20	0.003	11.4	0.620 (15.75)
	1.5	20	0.004	11.4	0.620 (15.75)
	1.8	20	0.004	11.4	0.620 (15.75)
	2.2	20	0.005	11.4	0.620 (15.75)
	2.7	20	0.005	11.4	0.620 (15.75)
	3.3	20	0.005	11.4	0.620 (15.75)
	3.9	20	0.006	11.4	0.620 (15.75)
	4.7	20	0.007	11.4	0.620 (15.75)
	5.6	20	0.007	11.4	0.620 (15.75)
	6.8	20	0.008	11.4	0.620 (15.75)
	8.2	20	0.009	11.4	0.620 (15.75)
	10	10	0.010	11.4	0.620 (15.75)
	12	10	0.011	11.4	0.620 (15.75)
	15	10	0.015	9.0	0.620 (15.75)
	18	10	0.016	7.2	0.615 (15.62)
	22	10	0.020	7.2	0.615 (15.62)
	27	10	0.030	5.5	0.575 (14.60)
	33	10	0.040	5.5	0.575 (14.60)
	39	10	0.046	5.5	0.600 (15.24)
	47	10	0.062	5.5	0.600 (15.24)
	56	10	0.069	5.5	0.600 (15.24)
	68	10	0.077	4.8	0.600 (15.24)
	82	10	0.083	4.8	0.600 (15.24)
	100	10	0.095	4.0	0.600 (15.24)
	120	10	0.127	4.0	0.600 (15.24)
	150	10	0.181	4.0	0.600 (15.24)
	180	10	0.217	4.0	0.600 (15.24)
	220	10	0.240	2.8	0.600 (15.24)
	270	10	0.300	2.0	0.600 (15.24)
	330	10	0.336	1.6	0.600 (15.24)
	390	10	0.460	1.6	0.600 (15.24)
	470	10	0.636	1.6	0.590 (14.99)
	560	10	0.696	1.6	0.590 (14.99)
	680	10	0.430	1.6	0.590 (14.99)
	820	10	0.590	1.3	0.590 (14.99)
	1000	10	0.818	1.0	0.590 (14.99)
	1200	10	1.140	0.8	0.590 (14.99)
	1500	10	1.260	0.8	0.590 (14.99)
	1800	10	1.390	0.8	0.590 (14.99)
	2200	10	1.540	0.8	0.590 (14.99)
HID-3	1	20	0.003	21.0	0.790 (20.07)
	1.2	20	0.003	21.0	0.790 (20.07)
	1.5	20	0.003	21.0	0.790 (20.07)
	1.8	20	0.003	21.0	0.790 (20.07)
	2.2	20	0.003	21.0	0.790 (20.07)
	2.7	20	0.003	21.0	0.790 (20.07)
	3.3	20	0.003	21.0	0.790 (20.07)
	3.9	20	0.003	21.0	0.790 (20.07)
	4.7	20	0.003	21.0	0.790 (20.07)
	5.6	20	0.003	21.0	0.790 (20.07)
	6.8	20	0.004	21.0	0.790 (20.07)
	8.2	20	0.004	21.0	0.790 (20.07)
	10	10	0.006	17.0	0.770 (19.56)
	12	10	0.008	13.5	0.750 (19.05)
	15	10	0.009	13.5	0.750 (19.05)
	18	10	0.010	13.5	0.750 (19.05)
	22	10	0.011	13.5	0.750 (19.05)
	27	10	0.012	13.5	0.800 (20.32)
	33	10	0.017	13.5	0.780 (19.81)
	39	10	0.022	11.4	0.780 (19.81)
	47	10	0.024	9.0	0.780 (19.30)
	56	10	0.026	9.0	0.780 (19.30)
	68	10	0.029	9.0	0.780 (19.30)
	82	10	0.032	9.0	0.780 (19.30)
	100	10	0.034	9.0	0.780 (19.30)
	120	10	0.046	7.2	0.740 (18.80)
	150	10	0.064	5.5	0.720 (18.29)
	180	10	0.072	5.5	0.720 (18.29)
	220	10	0.080	5.5	0.790 (20.07)
	270	10	0.110	4.5	0.770 (19.56)
	330	10	0.122	4.5	0.770 (19.56)
	390	10	0.169	4.0	0.740 (18.80)
	470	10	0.187	4.0	0.740 (18.80)
	560	10	0.205	4.0	0.740 (18.80)
	680	10	0.256	2.8	0.725 (18.41)
	820	10	0.288	2.8	0.725 (18.41)
	1000	10	0.426	2.0	0.715 (18.16)
	1200	10	0.462	2.0	0.760 (19.30)
	1500	10	0.518	2.0	0.760 (19.30)
	1800	10	0.705	1.6	0.740 (18.80)
	2200	10	1.020	1.3	0.720 (18.29)
	2700	10	1.140	1.3	0.720 (18.29)
	3300	10	1.270	1.3	0.720 (18.29)
	3900	10	1.670	1.0	0.700 (17.58)
	4700	10	1.860	1.0	0.730 (18.54)
HID-4	1.8	20	0.002	27.0	1.100 (27.94)
	2.2	20	0.002	27.0	1.100 (27.94)
	2.7	20	0.003	27.0	1.100 (27.94)
	3.3	20	0.003	27.0	1.100 (27.94)
	3.9	20	0.003	27.0	1.100 (27.94)
	4.7	20	0.003	27.0	1.100 (27.94)
	5.6	20	0.004	27.0	1.100 (27.94)
	6.8	20	0.004	27.0	1.100 (27.94)
	8.2	20	0.004	27.0	1.100 (27.94)
	10	10	0.005	27.0	1.100 (27.94)
	12	10	0.005	27.0	1.100 (27.94)
	15	10	0.006	27.0	1.100 (27.94)
	18	10	0.008	27.0	1.100 (27.94)
	22	10	0.009	21.0	1.100 (27.94)
	27	10	0.010	21.0	1.100 (27.94)
	33	10	0.011	21.0	1.100 (27.94)
	39	10	0.012	21.0	1.100 (27.94)
	47	10	0.018	14.4	1.100 (27.94)
	56	10	0.019	14.4	1.110 (28.19)
	68	10	0.021	14.4	1.110 (28.19)
	82	10	0.023	14.4	1.110 (28.19)
	100	10	0.025	14.4	1.110 (28.19)
	120	10	0.028	14.4	1.110 (28.19)
	150	10	0.040	11.4	1.100 (27.94)
	180	10	0.045	11.4	1.100 (27.94)
	220	10	0.050	11.4	1.100 (27.94)
	270	10	0.056	11.4	1.100 (27.94)
	330	10	0.074	11.4	1.160 (29.46)
	390	10	0.082	9.0	1.130 (28.70)
	470	10	0.114	7.2	1.130 (28.70)
	560	10	0.125	7.2	1.130 (28.70)
	680	10	0.139	7.2	1.130 (28.70)
	820	10	0.154	7.2	1.130 (28.70)
	1000	10	0.216	5.9	1.100 (27.94)
	1200	10	0.232	5.5	1.100 (27.94)
	1500	10	0.324	4.5	1.140 (28.96)
	1800	10	0.360	4.5	1.140 (28.96)
	2200	10	0.494	4.0	1.110 (28.19)
	2700	10	0.555	4.0	1.100 (28.19)
	3300	10	0.773	2.8	1.090 (27.69)
	3900	10	0.845	2.8	1.090 (27.69)
	4700	10	1.140	2.0	1.070 (27.18)
	5600	10	1.800	2.0	1.050 (26.67)
	6800	10	1.760	1.6	1.050 (26.67)
	8200	10	1.950	1.6	1.090 (27.69)
	10000	10	2.760	1.3	1.070 (27.18)
	12000	10	3.040	1.3	1.070 (27.18)
	15000	10	3.390	1.3	1.070 (27.18)
HID-5	1.8	20	0.002	35.0	1.130 (28.70)
	2.2	20	0.002	35.0	1.130 (28.70)
	2.7	20	0.002	35.0	1.130 (28.70)
	3.3	20	0.002	35.0	1.130 (28.70)
	3.9	20	0.002	35.0	1.130 (28.70)
	4.7	20	0.003	35.0	1.130 (28.70)
	5.6	20	0.003	35.0	1.130 (28.70)
	6.8	20	0.003	35.0	1.130 (28.70)
	8.2	20	0.003	35.0	1.130 (28.70)
	10	10	0.004	35.0	1.130 (28.70)
	12	10	0.004	35.0	1.130 (28.70)
	15	10	0.004	35.0	1.130 (28.70)
	18	10	0.005	35.0	1.130 (28.70)
	22	10	0.005	35.0	1.130 (28.70)
	27	10	0.006	35.0	1.130 (28.70)
	33	10	0.006	35.0	1.130 (28.70)
	39	10	0.006	35.0	1.530 (38.86)
	47	10	0.008	35.0	1.530 (38.86)
	56	10	0.009	35.0	1.530 (38.86)
	68	10	0.009	35.0	1.530 (38.86)
	82	10	0.010	35.0	1.530 (38.86)
	100	10	0.014	27.0	1.450 (36.83)
	120	10	0.015	27.0	1.450 (36.83)
	150	10	0.023	21.0	1.410 (35.81)
	180	10	0.025	21.0	1.410 (35.81)
	220	10	0.028	21.0	1.410 (35.81)
	270	10	0.030	21.0	1.410 (35.81)
	330	10	0.040	17.0	1.380 (35.05)
	390	10	0.055	13.5	1.350 (34.29)
	470	10	0.081	13.5	1.350 (34.29)
	560	10	0.088	13.5	1.350 (34.29)
	680	10	0.094	11.4	1.330 (33.78)
	820	10	0.104	11.4	1.330 (33.78)
	1000	10	0.143	9.0	1.310 (33.27)
	1200	10	0.156	9.0	1.400 (35.56)
	1500	10	0.219	7.2	1.370

MINIATURE HIGH CURRENT RF CHOKES

CRF 5300 SERIES



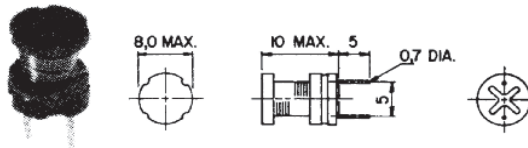
Part±10% Number	L (μH) Max DCR @ 0 DC	MIN SRF OHMs	Rated 1,dc MHz	INCR 1 mA	#24 AWG mA
CRF5300-01	1.0	.018	190	3300	3000
CRF5300-02	1.2	.019	170	3200	2700
CRF5300-03	1.5	.020	160	3100	2500
CRF5300-04	1.8	.023	150	2900	2100
CRF5300-05	2.2	.031	130	2600	2000
CRF5300-06	2.7	.033	120	2500	1900
CRF5300-07	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

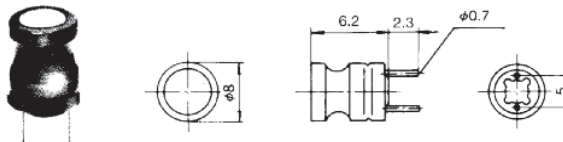
CET Part Number	Inductance ² (μH)	Q ² (min.)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated DC Current (A) max.
2LYF-0074M	1.0 ± 20%	20	7.96	.021	8.60
2LYF-0075M	1.05 ± 20%	20	7.96	.023	7.60
2LYF-0076M	2.2 ± 20%	20	7.96	.026	6.30
2LYF-0077M	3.3 ± 20%	20	7.96	.030	5.40
2LYF-0078M	4.7 ± 20%	20	7.96	.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.