



RL-1160

MINI-INDUCTORS

DESCRIPTION

- Mini-Inductors

ENVIRONMENTAL DATA

- Storage temperature range: -55°C to +130°C
- Operating temperature range: -40°C to +130°C

PACKAGING INFORMATION

- Packaging information: pg. 489

FEATURES & APPLICATIONS

- Unique flat coil configuration that makes it ideally suited for use in high density printed circuit board assemblies
- Twice the inductance is obtainable
- Wide range of inductance values so they can effectively be used at radio, as well as audio frequencies

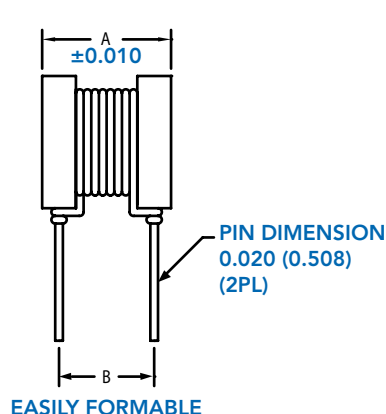
Verify operation with sample in actual circuit. Order samples at www.rencousa.com.

MECHANICAL DIMENSIONS

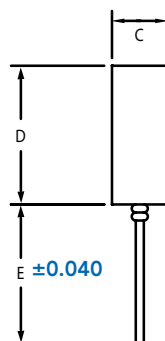
U.S. Standard (mm)

PART NUMBER	A ± 0.010 (0.254)	B	C (MAX.)	D (MAX.)	E ± 0.040 (1.02)	PART WEIGHT
RL-1160	0.375 (9.53)	0.300 (7.62)	0.150 (3.81)	0.300 (7.62)	0.375 (9.53)	0.50g (0.018oz)

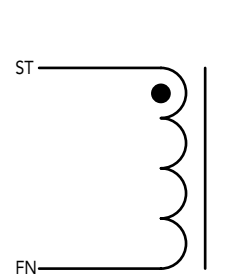
FRONT VIEW



SIDE VIEW



SCHEMATIC



RENCO ELECTRONICS INC.



595 International Place, Rockledge, FL 32955-4200 USA • www.rencousa.com • ISO 9001 Certified
Toll Free Engineering Hot Line: 800.645.5828 • P: 321.637.1000 • F: 321.637.1600

RL-1160

Renco Part No. RL-1160	Inductance (μ H)	DCR Max. (Ohms)	Isat (A)	Irms (A)
RL-1160-1.0	1.0	0.010	7.00	2.250
RL-1160-1.2	1.2	0.012	6.00	1.780
RL-1160-1.5	1.5	0.014	5.00	1.420
RL-1160-1.8	1.8	0.020	4.80	1.120
RL-1160-2.2	2.2	0.025	4.40	0.880
RL-1160-2.7	2.7	0.028	4.00	0.880
RL-1160-3.3	3.3	0.036	3.70	0.700
RL-1160-3.9	3.9	0.050	3.40	0.550
RL-1160-4.7	4.7	0.053	3.20	0.550
RL-1160-5.6	5.6	0.092	2.80	0.350
RL-1160-6.8	6.8	0.113	2.60	0.350
RL-1160-8.2	8.2	0.116	2.20	0.350
RL-1160-10	10.0	0.120	2.10	0.350
RL-1160-12	12.0	0.140	2.00	0.350
RL-1160-15	15.0	0.158	1.60	0.350
RL-1160-18	18.0	0.180	1.50	0.350
RL-1160-22	22.0	0.230	1.40	0.280
RL-1160-27	27.0	0.265	1.30	0.280
RL-1160-33	33.0	0.346	1.20	0.220
RL-1160-39	39.0	0.371	1.10	0.220
RL-1160-47	47.0	0.502	1.03	0.175
RL-1160-56	56.0	0.687	0.95	0.136
RL-1160-68	68.0	0.888	0.90	0.108
RL-1160-82	82.0	1.196	0.85	0.087
RL-1160-100	100.0	1.495	0.80	0.087
RL-1160-120	120.0	1.725	0.65	0.087
RL-1160-150	150.0	1.955	0.60	0.087
RL-1160-180	180.0	2.070	0.56	0.087
RL-1160-220	220.0	2.185	0.49	0.087
RL-1160-270	270.0	2.530	0.45	0.087
RL-1160-330	330.0	3.335	0.41	0.070
RL-1160-390	390.0	3.450	0.39	0.070
RL-1160-470	470.0	5.290	0.35	0.056
RL-1160-560	560.0	5.405	0.32	0.056
RL-1160-680	680.0	5.930	0.29	0.056

Renco Part No. RL-1160	Inductance (μ H)	DCR Max. (Ohms)	Isat (A)	Irms (A)
RL-1160-820	820.0	6.325	0.27	0.056
RL-1160-1000	1000.0	7.130	0.25	0.056
RL-1160-1200	1200.0	10.005	0.21	0.042
RL-1160-1500	1500.0	14.260	0.19	0.033
RL-1160-1800	1800.0	15.765	0.17	0.033
RL-1160-2200	2200.0	17.595	0.15	0.033
RL-1160-2700	2700.0	19.320	0.14	0.033
RL-1160-3300	3300.0	21.735	0.13	0.033
RL-1160-3900	3900.0	26.000	0.12	0.027
RL-1160-4700	4700.0	29.900	0.11	0.027

NOTES:

1. INDUCTANCE $\pm 10\%$ TESTED AT 10kHz, 1.0 Vrms, VALUES BELOW 10 μ H ARE $\pm 20\%$
2. Isat - DC CURRENT THAT WILL CAUSE INDUCTANCE TO DROP BY 5%
3. Irms - CURRENT THAT CAUSES THE TEMPERATURE TO RISE APPROX. 40°C ABOVE AMBIENT OF 25°C
4. ELECTRICAL SPECIFICATIONS MEASURED AT 25°C
5. HEIGHT DIMENSION SHOWN WITHOUT SOLDER JOINT OR COATINGS
6. NONSTANDARD VALUES AVAILABLE UPON REQUEST
7. ENCAPSULATION AVAILABLE



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