

RL-1160

MINI-INDUCTORS

HIGH "Q" FLAT COILS



The RL-1160 is an economical inductor with a unique flat coil configuration that makes it ideally suited for use in high density printed circuit board assemblies. Twice the inductance and Q values are obtainable with the flat coil configuration than is possible with axial lead inductors occupying the same space. The flat coils have a wide range of inductance and high Q values so they can effectively be used at radio as well as audio frequencies.

SPECIFICATIONS:

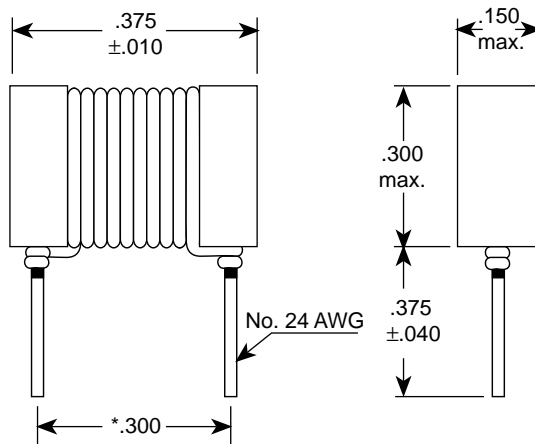
Operating ambient temperature: -55°C to +130°C

Weight: 1 gram maximum

Tolerance: 10% all values 10μH to 4700μH

20% all values under 10μH

Inductance measured on Q meter



INDUCTANCE	Q METER FREQUENCY
1.0 - 10μH	7.90 MHz
10 - 100μH	2.50 MHz
0.1 - 1.0 mH	790 KHz
1.0 - 4.7 mH	250 KHz

*Easily Formable To

ALL DIMENSIONS IN INCHES



RENCO ELECTRONICS, INC.

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RL-1160						
Renco Part No.	Inductance μ H	Frequency	Min. Q	Max. RDC (Ohms)	Saturation Current DC Amps	Suggested Current Rating Amps
RL-1160-1.0	1.0	7.9 MHz	37	.010	7.0	2.25
RL-1160-1.2	1.2	7.9 MHz	39	.012	6.0	1.78
RL-1160-1.5	1.5	7.9 MHz	33	.014	5.0	1.42
RL-1160-1.8	1.8	7.9 MHz	37	.020	4.8	1.12
RL-1160-2.2	2.2	7.9 MHz	38	.025	4.4	.88
RL-1160-2.7	2.7	7.9 MHz	43	.028	4.0	.88
RL-1160-3.3	3.3	7.9 MHz	35	.036	3.7	.70
RL-1160-3.9	3.9	7.9 MHz	37	.050	3.4	.55
RL-1160-4.7	4.7	7.9 MHz	37	.053	3.2	.55
RL-1160-5.6	5.6	7.9 MHz	35	.092	2.8	.35
RL-1160-6.8	6.8	7.9 MHz	29	.113	2.6	.35
RL-1160-8.2	8.2	7.9 MHz	32	.116	2.2	.35
RL-1160-10	10	7.9 MHz	31	.120	2.1	.35
RL-1160-12	12	2.5 MHz	55	.140	2.0	.35
RL-1160-15	15	2.5 MHz	51	.158	1.6	.35
RL-1160-18	18	2.5 MHz	46	.180	1.5	.35
RL-1160-22	22	2.5 MHz	51	.230	1.4	.28
RL-1160-27	27	2.5 MHz	52	.265	1.3	.28
RL-1160-33	33	2.5 MHz	47	.346	1.2	.22
RL-1160-39	39	2.5 MHz	46	.371	1.1	.22
RL-1160-47	47	2.5 MHz	45	.502	1.03	.175
RL-1160-56	56	2.5 MHz	45	.687	.95	.136
RL-1160-68	68	2.5 MHz	46	.888	.90	.108
RL-1160-82	82	2.5 MHz	53	1.196	.85	.087
RL-1160-100	100	790 KHz	39	1.495	.80	.087
RL-1160-120	120	790 KHz	75	1.725	.65	.087
RL-1160-150	150	790 KHz	60	1.955	.60	.087
RL-1160-180	180	790 KHz	75	2.070	.56	.087
RL-1160-220	220	790 KHz	63	2.185	.49	.087
RL-1160-270	270	790 KHz	68	2.530	.45	.087
RL-1160-330	330	790 KHz	64	3.335	.41	.070
RL-1160-390	390	790 KHz	60	3.450	.39	.070
RL-1160-470	470	790 KHz	70	5.290	.35	.056
RL-1160-560	560	790 KHz	68	5.405	.32	.056
RL-1160-680	680	790 KHz	64	5.930	.29	.056
RL-1160-820	820	790 KHz	60	6.325	.27	.056
RL-1160-1000	1000	790 KHz	40	7.130	.25	.056
RL-1160-1200	1200	250 KHz	70	10.005	.21	.042
RL-1160-1500	1500	250 KHz	72	14.260	.19	.033
RL-1160-1800	1800	250 KHz	72	15.765	.17	.033
RL-1160-2200	2200	250 KHz	72	17.595	.15	.033
RL-1160-2700	2700	250 KHz	72	19.320	.14	.033
RL-1160-3300	3300	250 KHz	72	21.735	.13	.033
RL-1160-3900	3900	250 KHz	70	26.000	.12	.027
RL-1160-4700	4700	250 KHz	63	29.900	.11	.027

NOTES:

1. \pm 10% Standard Tolerance. Values Below 10 μ H are \pm 20%
2. Saturation Current Lowers Inductance 5%
3. Nonstandard Values Available Upon Request
4. Encapsulaton Available
5. Height Dimension Shown Without Solder Joint or Coatings



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