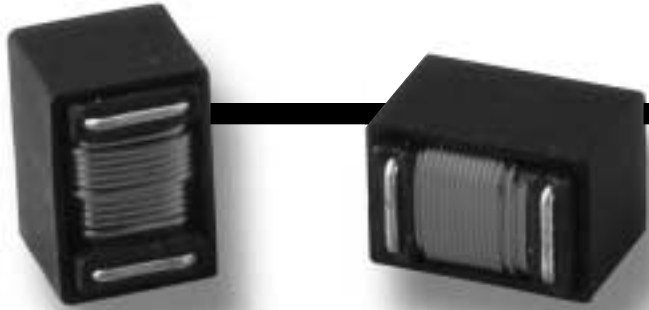


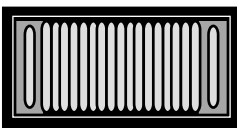
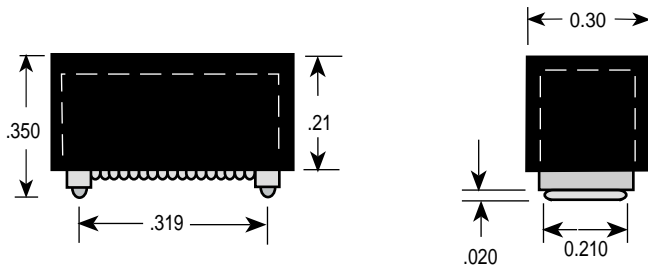
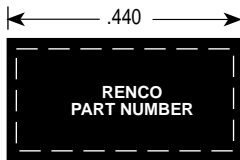
RL-1500

SURFACE MOUNT INDUCTORS



The RL-1500 Series offers over 45 standard high Q inductive values covering a range of 1.0 μ H to 6.8mH with rated currents of up to 1.8 Amps AC. They are ideal for surface mount assemblies using vapor phase or infrared soldering. This series uses a nonconductive high volume resistivity, low loss ferrite material.

The square shaped encapsulation cover and flat top make this component highly suitable for automated pick and place assembly. All units come packed in magazine tubes for easy loading and unloading.

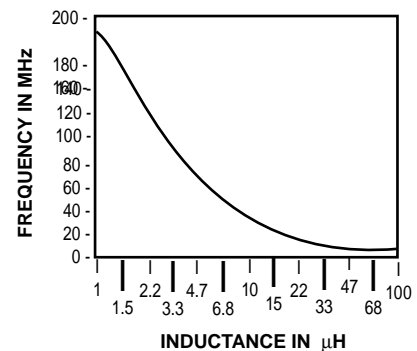


+ Recommended surface mount pad geometry —.050 X .225 inches—2 places.

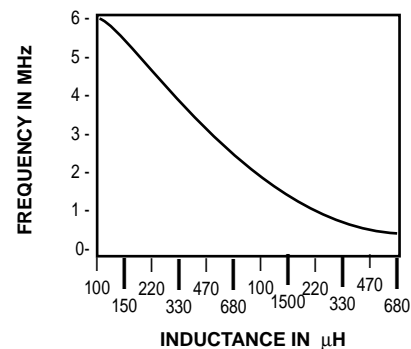
ALL DIMENSIONS IN INCHES

INDUCTANCE	Q METER FREQUENCY
1.0 μ H - 10 μ H	7.90 MHz
12 μ H - 100 μ H	2.50 MHz
120 μ H - 1000 μ H	790 kHz
1200 μ H - 6800 μ H	250 kHz

TYPICAL SELF-RESONANT FREQUENCY



TYPICAL SELF-RESONANT FREQUENCY



RENCO ELECTRONICS, INC.

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RL-1500 Renco Part No.	Inductance @0 DC (μ H)	Max. DCR (Ohms)	Min. Q	AC Rated Current Amps	DC Saturation Current (Typical) Amps * (5% L drop)	DC Saturation Current (Typical) Amps † (10% L drop)
RL-1500-1.0	1.0	0.011	18	1.8	16.2	18.2
RL-1500-1.2	1.2	0.012	20	1.8	15.3	17.1
RL-1500-1.5	1.5	0.013	25	1.8	14.4	16.2
RL-1500-1.8	1.8	0.014	23	1.8	9.0	13.5
RL-1500-2.2	2.2	0.020	32	1.4	8.6	10.8
RL-1500-2.7	2.7	0.029	30	1.2	8.1	9.9
RL-1500-3.3	3.3	0.031	30	1.2	7.7	8.1
RL-1500-3.9	3.9	0.059	30	0.70	6.5	7.2
RL-1500-4.7	4.7	0.062	30	0.70	5.5	6.5
RL-1500-5.6	5.6	0.066	30	0.70	5.2	6.2
RL-1500-6.8	6.8	0.070	50	0.70	5.0	6.0
RL-1500-8.2	8.2	0.074	50	0.70	4.8	5.9
RL-1500-10	10.0	0.094	50	0.70	4.7	5.4
RL-1500-12	12.0	0.097	50	0.70	4.4	4.8
RL-1500-15	15.0	0.102	50	0.70	4.1	4.5
RL-1500-18	18.0	0.114	50	0.70	3.8	4.3
RL-1500-22	22.0	0.152	50	0.60	3.0	3.2
RL-1500-27	27.0	0.198	30	0.50	2.6	2.9
RL-1500-33	33.0	0.280	30	0.30	2.4	2.7
RL-1500-39	39.0	0.309	30	0.30	2.3	2.5
RL-1500-47	47.0	0.336	30	0.30	2.1	2.3
RL-1500-56	56.0	0.372	30	0.30	1.9	2.2
RL-1500-68	68.0	0.408	30	0.30	1.8	2.0
RL-1500-82	82.0	0.444	30	0.30	1.7	1.9
RL-1500-100	100.0	0.874	30	0.20	1.6	1.8
RL-1500-120	120.0	0.936	30	0.20	1.4	1.7
RL-1500-150	150.0	0.984	30	0.20	1.4	1.6
RL-1500-180	180.0	1.08	30	0.20	1.3	1.4
RL-1500-220	220.0	1.14	30	0.20	1.2	1.4
RL-1500-270	270.0	1.42	30	0.15	1.1	1.3
RL-1500-330	330.0	1.64	30	0.15	1.0	1.2
RL-1500-390	390.0	2.38	30	0.12	0.9	1.1
RL-1500-470	470.0	2.62	30	0.12	0.81	0.90
RL-1500-560	560.0	3.48	30	0.10	0.72	0.81
RL-1500-680	680.0	3.82	30	0.10	0.58	0.70
RL-1500-820	820.0	4.12	35	0.10	0.54	0.63
RL-1500-1000	1000.0	4.54	35	0.10	0.52	0.61
RL-1500-1200	1200.0	5.76	35	0.075	0.49	0.56
RL-1500-1500	1500.0	6.64	35	0.075	0.46	0.49
RL-1500-1800	1800.0	10.20	35	0.060	0.43	0.47
RL-1500-2200	2200.0	11.28	35	0.060	0.38	0.43
RL-1500-2700	2700.0	14.64	35	0.060	0.28	0.31
RL-1500-3300	3300.0	16.68	35	0.060	0.26	0.29
RL-1500-3900	3900.0	22.56	35	0.060	0.25	0.28
RL-1500-4700	4700.0	23.16	35	0.030	0.23	0.26
RL-1500-5600	5600.0	28.20	35	0.030	0.21	0.23
RL-1500-6800	6800.0	33.48	35	0.030	0.19	0.21

NOTES:

* Saturation current for 5% decrease in inductance value.

† Saturation current for 10% decrease in inductance value.

Tolerance for values from 1 μ H to 10 μ H are \pm 20%. All other values are \pm 10%.



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