



RL-1170

MINI INDUCTORS

VERTICAL FLAT COIL

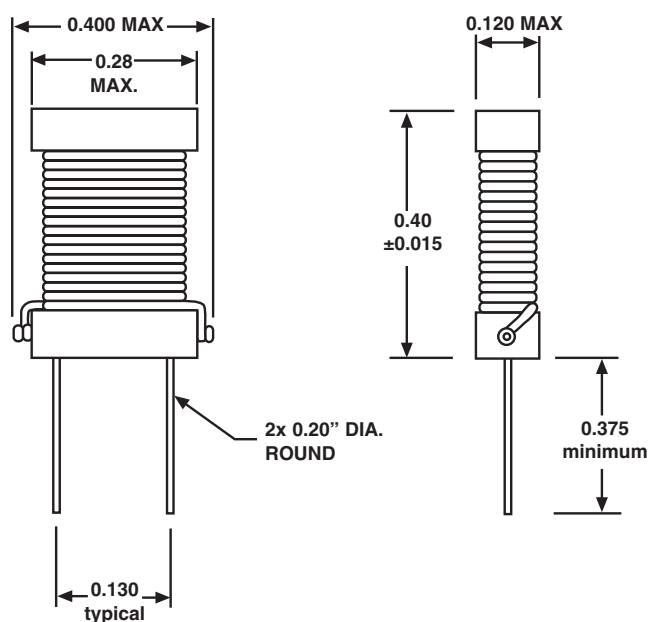


The RL-1170 is an economical inductor with a unique flat coil configuration that makes it ideally suited for use in high density and high frequency printed circuit board assemblies with current ratings from 27ma to 2.25A. Inductance values 1.0 μ H to 4.7MH with 45 values to choose from. Its vertical design is unique and space-saving.

The flat coils have a wide range of inductance values and can effectively be used at radio and audio frequencies.

SPECIFICATIONS:

- Operating ambient temperature: -55°C to +130°C
- Weight: 1 gram maximum
- Suggested maximum voltage, 100V
- Temperature rise at rated current approximately 35°C



RENCO ELECTRONICS, INC.

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SINCE 1955

RL-1170 Renco Part No.	Inductance μ H @1kHz	Max.DCR (Ohms)	Saturation Current DC Amps	Suggested Current Rating Amps
RL-1170-1.0	1.0	0.010	6.15	2.25
RL-1170-1.2	1.2	0.012	5.33	1.78
RL-1170-1.5	1.5	0.014	4.71	1.42
RL-1170-1.8	1.8	0.020	4.21	1.12
RL-1170-2.2	2.2	0.026	3.81	0.88
RL-1170-2.7	2.7	0.028	3.48	0.88
RL-1170-3.3	3.3	0.039	3.20	0.70
RL-1170-3.9	3.9	0.053	2.96	0.55
RL-1170-4.7	4.7	0.061	2.58	0.55
RL-1170-5.6	5.6	0.11	2.42	0.35
RL-1170-6.8	6.8	0.12	2.16	0.35
RL-1170-8.2	8.2	0.13	1.95	0.35
RL-1170-10	10	0.14	1.78	0.35
RL-1170-12	12	0.15	1.63	0.35
RL-1170-15	15	0.16	1.45	0.35
RL-1170-18	18	0.18	1.35	0.35
RL-1170-22	22	0.23	1.23	0.35
RL-1170-27	27	0.27	1.10	0.35
RL-1170-33	33	0.35	0.988	0.27
RL-1170-39	39	0.37	0.920	0.22
RL-1170-47	47	0.47	0.842	0.22
RL-1170-56	56	0.65	0.762	0.176
RL-1170-68	68	0.75	0.696	0.176
RL-1170-82	82	0.83	0.630	0.176
RL-1170-100	100	0.90	0.576	0.176
RL-1170-120	120	1.4	0.523	0.138
RL-1170-150	150	1.6	0.468	0.138
RL-1170-180	180	1.9	0.428	0.100
RL-1170-220	220	2.1	0.386	0.100
RL-1170-270	270	2.3	0.379	0.100
RL-1170-330	330	2.5	0.316	0.100
RL-1170-390	390	3.5	0.289	0.100
RL-1170-470	470	4.0	0.264	0.087
RL-1170-560	560	4.4	0.242	0.070
RL-1170-680	680	4.9	0.219	0.070
RL-1170-820	820	5.3	0.200	0.070
RL-1170-1000	1000	8.9	0.181	0.070
RL-1170-1200	1200	11.9	0.165	0.042
RL-1170-1500	1500	13.3	0.148	0.042
RL-1170-1800	1800	14.5	0.135	0.042
RL-1170-2200	2200	20.3	0.122	0.042
RL-1170-2700	2700	22.5	0.110	0.033
RL-1170-3300	3300	24.9	0.100	0.033
RL-1170-3900	3900	36.1	0.092	0.033
RL-1170-4700	4700	39.6	0.084	0.027

NOTES:

1. Standard inductance tolerance is $\pm 10\%$. Inductance values below 10μ H are $\pm 20\%$.
2. Saturation current lowers inductance about 5%.
3. Nonstandard values available upon request.
4. Molded to MIL-PRF-27F grade 5 construction available upon request.



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