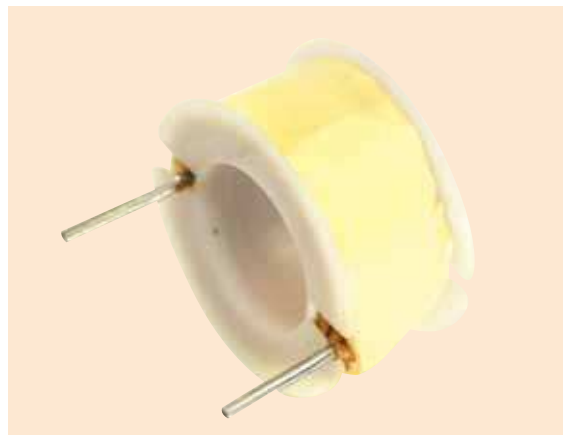




RL-1238

AIR CORE INDUCTORS

BOBBIN WOUND

DESCRIPTION

- Air Core Inductors

ENVIRONMENTAL DATA

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

PACKAGING INFORMATION

- Packaging information: pg. 493

FEATURES & APPLICATIONS

- 46 different values ranging from 1.0 μH to 8,200 μH with current rating from 0.8 A to 8 A
- Handles high currents without saturating as metal core inductors would
- Supplied ready for PCB insertion or, as an option, with flying leads for wiring directly into circuits
- Typical applications include: power line filters, switching regulated power supplies, audio filters, speaker crossover networks, power amplifiers and power RF suppression circuits

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

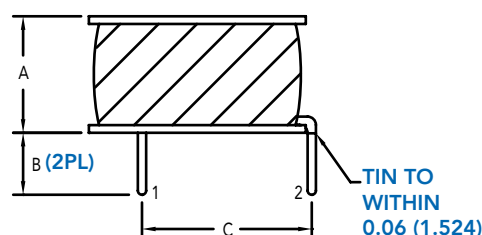
MECHANICAL DIMENSIONS

U.S. Standard (mm)

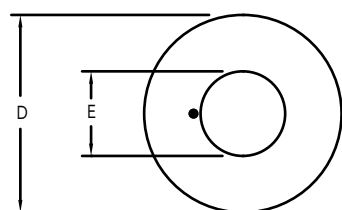
PART NUMBER	A (TYP.)	B (MIN.)	C (TYP.)	D (TYP.)	E (TYP.)
RL-1238	0.94 (23.88)	0.50 (12.70)	1.31 (33.27)	1.75 (44.45)	0.75 (19.00)

PART NUMBER	PART WEIGHT
RL-1238	68.0g (2.40oz)

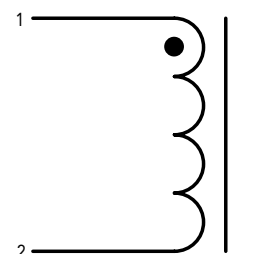
FRONT VIEW



BOTTOM 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-1238

Renco Part No. RL-1238	Inductance (μ H)	Max. DCR (Ohms)	Irms (A)
RL-1238-1.0	1.0	0.0062	8.0
RL-1238-1.5	1.5	0.0078	8.0
RL-1238-1.8	1.8	0.0085	8.0
RL-1238-2.2	2.2	0.0093	8.0
RL-1238-2.7	2.7	0.0110	8.0
RL-1238-3.3	3.3	0.0120	8.0
RL-1238-3.9	3.9	0.0125	8.0
RL-1238-4.7	4.7	0.0140	8.0
RL-1238-5.6	5.6	0.0153	8.0
RL-1238-6.8	6.8	0.0170	8.0
RL-1238-8.2	8.2	0.0193	8.0
RL-1238-10	10.0	0.0220	8.0
RL-1238-12	12.0	0.0236	8.0
RL-1238-15	15.0	0.0260	8.0
RL-1238-18	18.0	0.0280	8.0
RL-1238-22	22.0	0.0300	8.0
RL-1238-27	27.0	0.0350	8.0
RL-1238-33	33.0	0.0390	8.0
RL-1238-39	39.0	0.0430	8.0
RL-1238-47	47.0	0.0470	8.0
RL-1238-56	56.0	0.0516	8.0
RL-1238-68	68.0	0.0576	8.0
RL-1238-82	82.0	0.0630	8.0
RL-1238-100	100.0	0.0700	8.0
RL-1238-120	120.0	0.0730	8.0
RL-1238-150	150.0	0.1120	6.5
RL-1238-180	180.0	0.1250	6.5
RL-1238-220	220.0	0.2330	5.0
RL-1238-270	270.0	0.2510	4.0
RL-1238-330	330.0	0.2610	4.0
RL-1238-390	390.0	0.2930	4.0
RL-1238-470	470.0	0.3170	3.5
RL-1238-560	560.0	0.4290	3.5
RL-1238-680	680.0	0.4750	3.5
RL-1238-820	820.0	0.6420	2.5

Renco Part No. RL-1238	Inductance (μ H)	Max. DCR (Ohms)	Irms (A)
RL-1238-1000	1000.0	0.7000	2.5
RL-1238-1200	1200.0	0.7680	2.5
RL-1238-1500	1500.0	1.0900	2.0
RL-1238-2200	2200.0	1.6800	1.5
RL-1238-2700	2700.0	2.3000	1.3
RL-1238-3300	3300.0	2.6000	1.3
RL-1238-3900	3900.0	2.8000	1.3
RL-1238-4700	4700.0	3.9000	1.0
RL-1238-5600	5600.0	4.3000	1.0
RL-1238-6800	6800.0	5.8000	0.8
RL-1238-8200	8200.0	6.5000	0.8

NOTES:

1. INDUCTANCE VALUES $\pm$ 15% TESTED AT 10 kHz, 0.1 Vrms.
VALUES BELOW 10 μ H ARE $\pm$ 20%
2. ELECTRICAL SPECIFICATIONS MEASURED AT 25°C
3. Irms - CURRENT THAT CAUSES THE TEMPERATURE TO
RISE APPROX. 40°C ABOVE AMBIENT OF 25°C



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