

RL-1239

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

- 51 different values ranging from 1.8 μH to 33,000 μH with current rating from 0.8 A to 13 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.

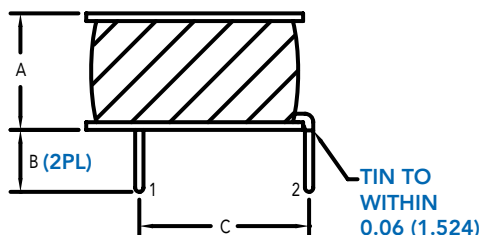
MECHANICAL DIMENSIONS

U.S. Standard (mm)

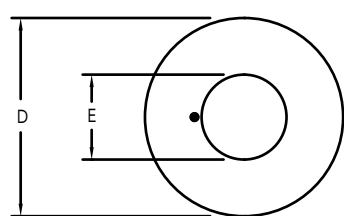
PART NUMBER	A (TYP.)	B (MIN.)	C (TYP.)	D (TYP.)	E (TYP.)
RL-1239	1.25 (31.75)	0.50 (12.70)	2.25 (57.15)	3.00 (76.19)	1.69 (42.93)

PART NUMBER	PART WEIGHT
RL-1239	335.0g (11.80oz)

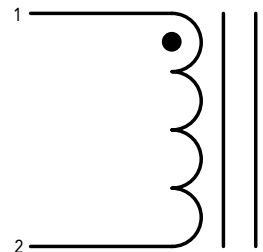
FRONT VIEW



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-1239

Renco Part No. RL-1239	Inductance (μ H)	Max. DCR (Ohms)	Irms (A)
RL-1239-1.8	1.8	0.0060	13.0
RL-1239-2.2	2.2	0.0069	13.0
RL-1239-2.7	2.7	0.0077	13.0
RL-1239-3.9	3.9	0.0087	13.0
RL-1239-4.7	4.7	0.0107	13.0
RL-1239-5.6	5.6	0.0117	13.0
RL-1239-6.8	6.8	0.0126	13.0
RL-1239-8.2	8.2	0.0136	13.0
RL-1239-10	10.0	0.0157	13.0
RL-1239-12	12.0	0.0167	13.0
RL-1239-15	15.0	0.0180	13.0
RL-1239-18	18.0	0.0204	13.0
RL-1239-22	22.0	0.0216	13.0
RL-1239-27	27.0	0.0252	13.0
RL-1239-33	33.0	0.0276	13.0
RL-1239-39	39.0	0.0300	13.0
RL-1239-47	47.0	0.0336	13.0
RL-1239-56	56.0	0.0372	13.0
RL-1239-68	68.0	0.0420	13.0
RL-1239-82	82.0	0.0456	13.0
RL-1239-100	100.0	0.0516	13.0
RL-1239-120	120.0	0.0576	13.0
RL-1239-150	150.0	0.0678	13.0
RL-1239-180	180.0	0.0708	13.0
RL-1239-220	220.0	0.0804	13.0
RL-1239-270	270.0	0.0876	8.5
RL-1239-330	330.0	0.1200	8.5
RL-1239-390	390.0	0.1596	6.5
RL-1239-470	470.0	0.1836	6.5
RL-1239-560	560.0	0.1968	6.5
RL-1239-680	680.0	0.2712	5.5
RL-1239-820	820.0	0.2976	5.5
RL-1239-1000	1000.0	0.4175	4.0
RL-1239-1200	1200.0	0.4560	4.0
RL-1239-1500	1500.0	0.6500	3.0
RL-1239-1800	1800.0	0.7116	3.0

Renco Part No. RL-1239	Inductance (μ H)	Max. DCR (Ohms)	Irms (A)
RL-1239-2200	2200.0	0.7924	3.0
RL-1239-2700	2700.0	1.0700	2.5
RL-1239-3300	3300.0	1.2120	2.5
RL-1239-3900	3900.0	1.3200	2.5
RL-1239-4700	4700.0	1.7880	2.0
RL-1239-5600	5600.0	1.9680	2.0
RL-1239-6800	6800.0	2.6700	1.7
RL-1239-8200	8200.0	2.9760	1.7
RL-1239-10000	10000.0	4.2600	1.4
RL-1239-12000	12000.0	4.5960	1.4
RL-1239-15000	15000.0	5.6640	1.4
RL-1239-18000	18000.0	7.1880	1.0
RL-1239-22000	22000.0	7.9320	1.0
RL-1239-27000	27000.0	10.7040	0.8
RL-1239-33000	33000.0	11.8680	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. I_{rms} - CURRENT THAT CAUSES THE TEMPERATURE TO RISE APPROX. 40°C ABOVE AMBIENT OF 25°C

