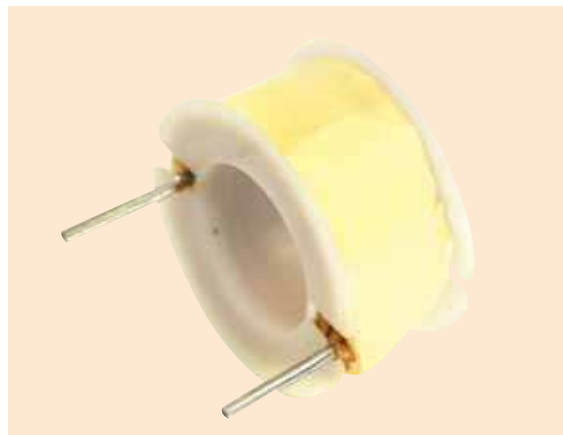




RL-1233

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

- 38 different values ranging from 0.56 μ H to 680 μ H with current rating, depending on type, 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.

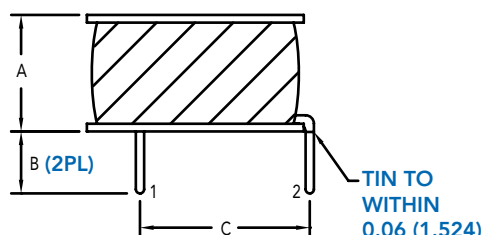
MECHANICAL DIMENSIONS

U.S. Standard (mm)

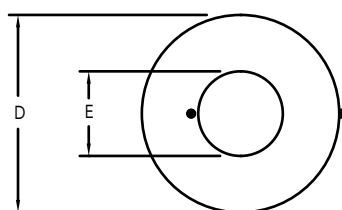
PART NUMBER	A (TYP.)	B (MIN.)	C	D (MAX.)	E (MAX.)
RL-1233	0.56 (14.22)	0.50 (12.70)	See Table	1.16 (29.46)	0.63 (16.00)

PART NUMBER	PART WEIGHT
RL-1233	23.0g (0.81oz)

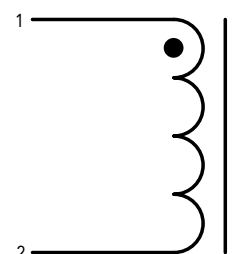
FRONT VIEW



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-1233

Renco Part No. RL-1233	Inductance (μ H)	Max. DCR (Ohms)	I _{rms} (A)	"C" DIM Ref.
RL-1233-0.56	0.56	0.006	8.0	0.823 (20.90)
RL-1233-0.68	0.68	0.007	8.0	0.823 (20.90)
RL-1233-0.82	0.82	0.008	8.0	0.823 (20.90)
RL-1233-1.0	1.0	0.009	8.0	0.823 (20.90)
RL-1233-1.2	1.2	0.010	8.0	0.823 (20.90)
RL-1233-1.5	1.5	0.011	8.0	0.823 (20.90)
RL-1233-1.8	1.8	0.013	8.0	0.823 (20.90)
RL-1233-2.2	2.2	0.014	8.0	0.823 (20.90)
RL-1233-2.7	2.7	0.015	8.0	0.823 (20.90)
RL-1233-3.3	3.3	0.016	8.0	0.823 (20.90)
RL-1233-3.9	3.9	0.017	8.0	0.823 (20.90)
RL-1233-4.7	4.7	0.019	8.0	0.823 (20.90)
RL-1233-5.6	5.6	0.022	8.0	0.823 (20.90)
RL-1233-6.8	6.8	0.024	8.0	0.823 (20.90)
RL-1233-8.2	8.2	0.026	8.0	0.823 (20.90)
RL-1233-10	10.0	0.030	8.0	0.823 (20.90)
RL-1233-12	12.0	0.033	8.0	0.823 (20.90)
RL-1233-15	15.0	0.038	8.0	0.823 (20.90)
RL-1233-18	18.0	0.039	8.0	0.823 (20.90)
RL-1233-22	22.0	0.053	4.0	0.915 (23.24)
RL-1233-27	27.0	0.075	3.5	0.862 (21.89)
RL-1233-33	33.0	0.080	3.5	0.862 (21.89)
RL-1233-39	39.0	0.090	3.5	0.862 (21.89)
RL-1233-47	47.0	0.100	3.5	0.862 (21.89)
RL-1233-56	56.0	0.135	2.5	0.957 (24.31)
RL-1233-68	68.0	0.151	2.5	0.957 (24.31)
RL-1233-82	82.0	0.166	2.5	0.957 (24.31)
RL-1233-100	100.0	0.230	2.0	0.957 (24.31)
RL-1233-120	120.0	0.255	2.0	0.957 (24.31)
RL-1233-150	150.0	0.285	2.0	0.957 (24.31)
RL-1233-180	180.0	0.395	1.5	0.957 (24.31)
RL-1233-220	220.0	0.542	1.3	0.957 (24.31)
RL-1233-270	270.0	0.617	1.3	0.957 (24.31)
RL-1233-330	330.0	0.830	1.0	0.957 (24.31)
RL-1233-390	390.0	0.907	1.0	0.957 (24.31)
RL-1233-470	470.0	0.978	1.0	0.957 (24.31)
RL-1233-560	560.0	1.375	0.8	0.957 (24.31)
RL-1233-680	680.0	1.525	0.8	0.925 (23.50)

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



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