

RL-1295

AXIAL LEADED HIGH FREQUENCY INDUCTOR

DESCRIPTION

- Axial Leaded High Frequency Inductor

ENVIRONMENTAL DATA

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

PACKAGING INFORMATION

- Packaging information: pgs. 489, 493

FEATURES & APPLICATIONS

- Axial leaded series features one small, convenient size with 51 values of inductance, ranging from 3.9μH to 150,000μH
- Size makes it easy to incorporate in any design
- High resistivity and low loss core is excellent for high frequency applications
- Available taped & reeled for auto insertion
- Typical applications include: switching regulators, power supplies, surge suppression, radio frequency, and filters

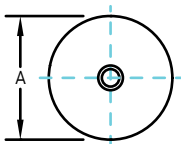
Verify operation with sample in actual circuit. Order samples at www.rencousa.com.

MECHANICAL DIMENSIONS

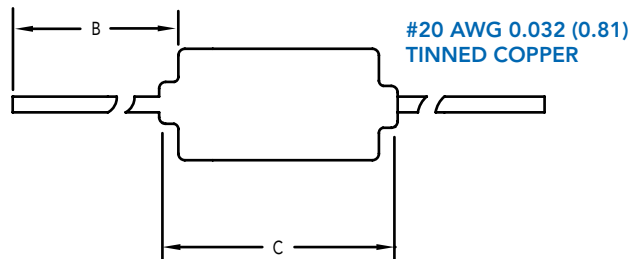
U.S. Standard (mm)

PART NUMBER	A (MAX.)	B (MIN.)	C (MAX.)	PART WEIGHT
RL-1295	0.400 (10.16)	1.000 (25.40)	0.525 (13.34)	6.5g (0.023oz)

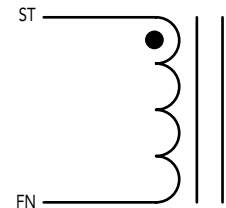
FRONT VIEW



SIDE 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-1295

Renco Part No. RL-1295	Inductance (μ H)	DCR Max. (Ohms)	Isat (A)	Irms (A)
RL-1295-3.9	3.90	0.012	5.00	1.30
RL-1295-4.7	4.70	0.014	5.00	1.30
RL-1295-5.6	5.60	0.015	4.00	1.30
RL-1295-6.8	6.80	0.018	4.00	1.30
RL-1295-8.2	8.20	0.020	4.00	1.30
RL-1295-10	10.0	0.020	4.00	1.30
RL-1295-12	12.0	0.021	4.00	1.30
RL-1295-15	15.0	0.022	4.00	1.30
RL-1295-18	18.0	0.025	4.00	1.30
RL-1295-22	22.0	0.030	4.00	1.30
RL-1295-27	27.0	0.040	2.50	1.00
RL-1295-33	33.0	0.042	2.25	1.00
RL-1295-39	39.0	0.046	2.25	1.00
RL-1295-47	47.0	0.055	2.00	1.00
RL-1295-56	56.0	0.070	2.00	0.80
RL-1295-68	68.0	0.080	1.80	0.80
RL-1295-82	82.0	0.100	1.70	0.65
RL-1295-100	100.0	0.115	1.40	0.65
RL-1295-120	120.0	0.135	1.40	0.65
RL-1295-150	150.0	0.180	1.10	0.50
RL-1295-180	180.0	0.205	1.00	0.50
RL-1295-220	220.0	0.240	1.00	0.50
RL-1295-270	270.0	0.310	0.84	0.40
RL-1295-330	330.0	0.340	0.76	0.40
RL-1295-390	390.0	0.390	0.76	0.40
RL-1295-470	470.0	0.460	0.60	0.40
RL-1295-560	560.0	0.550	0.60	0.32
RL-1295-680	680.0	0.790	0.50	0.26
RL-1295-820	820.0	0.900	0.50	0.26
RL-1295-1000	1000.0	1.100	0.40	0.20
RL-1295-1200	1200.0	1.250	0.40	0.20
RL-1295-1500	1500.0	1.500	0.30	0.20
RL-1295-1800	1800.0	1.650	0.30	0.20
RL-1295-2200	2200.0	2.650	0.25	0.13
RL-1295-2700	2700.0	3.100	0.25	0.13

RL-1295 TABLE CONTINUES ON FOLLOWING PAGE

NOTES:

1. ELECTRICAL SPECIFICATIONS MEASURED AT 25°C
2. Isat - DC CURRENT THAT WILL CAUSE INDUCTANCE TO DROP BY 5%
3. Irms - CURRENT THAT CAUSES THE TEMPERATURE TO RISE APPROX. 40°C ABOVE AMBIENT OF 25°C
4. INDUCTANCE \pm 15% TESTED AT 1.0 kHz, 0.1 Vrms
5. 10% AND 5% TOLERANCES OPTIONAL FOR VALUES ABOVE 10 μ H
6. PART FINISHED WITH 135°C POLYOLEFIN SLEEVING THAT MEETS UL-224 VW-1



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-1295

Renco Part No. RL-1295	Inductance (μ H)	DCR Max. (Ohms)	Isat (A)	Irms (A)
RL-1295-3300	3300.0	3.60	0.240	0.130
RL-1295-3900	3900.0	4.60	0.220	0.100
RL-1295-4700	4700.0	5.10	0.200	0.100
RL-1295-5600	5600.0	5.80	0.180	0.100
RL-1295-6800	6800.0	8.50	0.130	0.080
RL-1295-8200	8200.0	9.5	0.120	0.080
RL-1295-10000	10000.0	10.5	0.120	0.080
RL-1295-12000	12000.0	13.5	0.110	0.065
RL-1295-15000	15000.0	17.0	0.100	0.050
RL-1295-18000	18000.0	19.5	0.100	0.050
RL-1295-22000	22000.0	22.5	0.100	0.050
RL-1295-27000	27000.0	30.0	0.080	0.040
RL-1295-33000	33000.0	35.0	0.080	0.040
RL-1295-39000	39000.0	46.0	0.075	0.030
RL-1295-47000	47000.0	67.0	0.070	0.025
RL-1295-56000	56000.0	76.0	0.060	0.025
RL-1295-68000	68000.0	85.0	0.060	0.025
RL-1295-82000	82000.0	96.0	0.050	0.025
RL-1295-100000	100000.0	108.0	0.050	0.025
RL-1295-120000	120000.0	135.0	0.045	0.020
RL-1295-150000	150000.0	180.0	0.042	0.016

NOTES:

1. ELECTRICAL SPECIFICATIONS MEASURED AT 25°C
2. Isat - DC CURRENT THAT WILL CAUSE INDUCTANCE TO DROP BY 5%
3. Irms - CURRENT THAT CAUSES THE TEMPERATURE TO RISE APPROX. 40°C ABOVE AMBIENT OF 25°C
4. INDUCTANCE \pm 15% TESTED AT 1.0 kHz, 0.1 Vrms
5. 10% AND 5% TOLERANCES OPTIONAL FOR VALUES ABOVE 10 μ H
6. PART FINISHED WITH 135°C POLYOLEFIN SLEEVING THAT MEETS UL-224 VW-1



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

