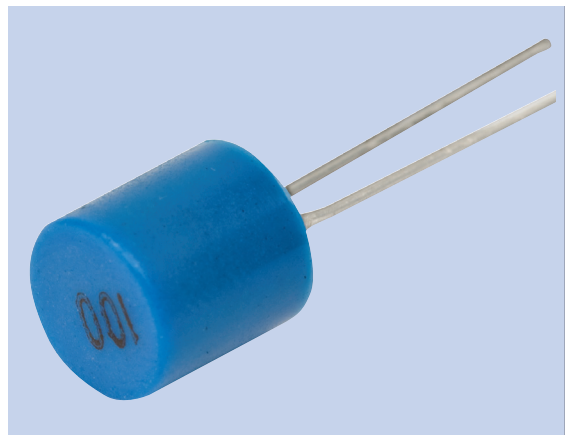




RL-8064-1

RL-8064-2, RL-8064-3

ENCASED RADIAL CHOKE COIL

DESCRIPTION

- Molded Radial Choke Coil

ENVIRONMENTAL DATA

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

PACKAGING INFORMATION

- Packaging information: pg. 495

FEATURES & APPLICATIONS

- Radial leaded and constructed in a rugged plastic case
- High saturation core material
- Typical applications include: switching regulators, filters, SCR, and TRIAC controls, power supplies and RFI suppression

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

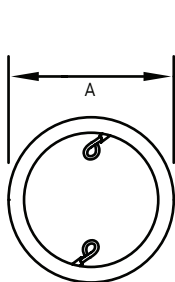
MECHANICAL DIMENSIONS

U.S. Standard (mm)

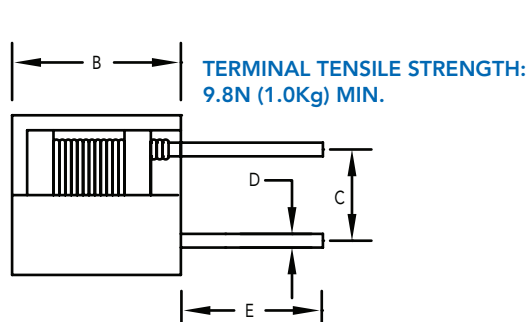
PART NUMBER	A (MAX.)	B (MAX.)	C ± 0.02 (0.50)	D (TYP.)	E (TYP.)
RL-8064-1	0.32 (8.10)	0.39 (9.80)	0.197 (5.00)	0.026 (0.650)	0.50 (12.70)
RL-8064-2	0.36 (9.10)	0.39 (9.80)	0.197 (5.00)	0.026 (0.650)	0.50 (12.70)
RL-8064-3	0.45 (11.50)	0.49 (12.50)	0.197 (5.00)	0.026 (0.650)	0.50 (12.70)

PART NUMBER	PART WEIGHT
RL-8064-1	8.0g (0.28oz)
RL-8064-2	10.0g (0.35oz)
RL-8064-3	12.0g (0.42oz)

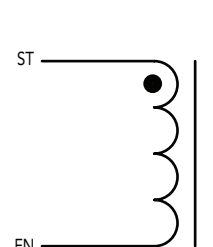
BOTTOM VIEW



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-8064-1, RL-8064-2

Renco Part No. RL-8064-1	Inductance (μ H)	DCR Max. (Ohms)	Q Min.	Q Test Frequency (Hz)	Isat (A)	Irms (A)	SRF MHz (MIN.)
RL-8064-1-1R0M5R0	1.0 $\pm$ 20%	0.006	10.0	7.96 M	6.60	5.00	70.0
RL-8064-1-1R5M4R3	1.5 $\pm$ 20%	0.008	10.0	7.96 M	5.40	4.30	56.0
RL-8064-1-2R2M3R7	2.2 $\pm$ 20%	0.011	10.0	7.96 M	4.00	3.70	45.0
RL-8064-1-3R3M2R9	3.3 $\pm$ 20%	0.018	10.0	7.96 M	3.60	2.90	36.0
RL-8064-1-4R7M2R6	4.7 $\pm$ 20%	0.022	10.0	7.96 M	3.10	2.60	29.0
RL-8064-1-6R8M2R3	6.8 $\pm$ 20%	0.028	10.0	7.96 M	2.50	2.30	24.0
RL-8064-1-100K1R9	10.0 $\pm$ 10%	0.043	20.0	2.52 M	2.10	1.90	19.0
RL-8064-1-150K1R6	15.0 $\pm$ 10%	0.056	20.0	2.52 M	1.70	1.60	15.0
RK-8064-1-220K1R3	22.0 $\pm$ 10%	0.086	20.0	2.52 M	1.40	1.30	12.0
RL-8064-1-330K1R0	33.0 $\pm$ 10%	0.140	20.0	2.52 M	1.10	1.00	9.4
RL-8064-1-470KR94	47.0 $\pm$ 10%	0.170	20.0	2.52 M	0.96	0.94	7.6
RL-8064-1-680KR73	68.0 $\pm$ 10%	0.280	20.0	2.52 M	0.79	0.73	6.2
RL-8064-1-101KR67	100.0 $\pm$ 10%	0.330	20.0	796.00 K	0.66	0.67	5.0
RL-8064-1-151KR52	150.0 $\pm$ 10%	0.560	20.0	796.00 K	0.53	0.52	4.0
RL-8064-1-221KR46	220.0 $\pm$ 10%	0.720	20.0	796.00 K	0.44	0.46	3.2
RL-8064-1-331KR37	330.0 $\pm$ 10%	1.100	20.0	796.00 K	0.36	0.37	2.5
RL-8064-1-471KR30	470.0 $\pm$ 10%	1.700	20.0	796.00 K	0.30	0.30	2.0
RL-8064-1-681KR26	680.0 $\pm$ 10%	2.300	20.0	796.00 K	0.25	0.26	1.7
RL-8064-1-102KR19	1000.0 $\pm$ 10%	4.300	50.0	252.00 K	0.20	0.19	1.3
RL-8064-1-152KR16	1500.0 $\pm$ 10%	5.000	50.0	252.00 K	0.17	0.16	1.3

Renco Part No. RL-8064-2	Inductance (μ H)	DCR Max. (Ohms)	Q Min.	Q Test Frequency (Hz)	Isat (A)	Irms (A)	SRF MHz (MIN.)
RL-8064-2-2R2M4R0	2.2 $\pm$ 20%	0.011	10.0	7.96 M	5.50	4.00	60.0
RL-8064-2-3R3M3R4	3.3 $\pm$ 20%	0.013	10.0	7.96 M	3.80	3.40	38.0
RL-8064-2-4R7M3R0	4.7 $\pm$ 20%	0.017	10.0	7.96 M	3.70	3.00	30.0
RL-8064-2-6R8M2R6	6.8 $\pm$ 20%	0.023	10.0	7.96 M	2.80	2.60	24.0
RL-8064-2-100K2R2	10.0 $\pm$ 10%	0.031	20.0	2.52 M	2.50	2.20	19.0
RL-8064-2-150K1R9	15.0 $\pm$ 10%	0.042	20.0	2.52 M	2.00	1.90	15.0
RL-8064-2-220K1R5	22.0 $\pm$ 10%	0.070	20.0	2.52 M	1.60	1.50	12.0
RL-8064-2-330K1R2	33.0 $\pm$ 10%	0.092	20.0	2.52 M	1.30	1.20	10.0
RL-8064-2-470K1R0	47.0 $\pm$ 10%	0.130	20.0	2.52 M	1.10	1.00	8.2
RL-8064-2-680KR97	68.0 $\pm$ 10%	0.160	20.0	2.52 M	0.91	0.97	6.6
RL-8064-2-101KR81	100.0 $\pm$ 10%	0.230	15.0	796.00 K	0.75	0.81	5.4
RL-8064-2-151KR61	150.0 $\pm$ 10%	0.400	15.0	796.00 K	0.61	0.61	4.3
RL-8064-2-221KR53	220.0 $\pm$ 10%	0.530	15.0	796.00 K	0.50	0.53	3.5
RL-8064-2-331KR44	330.0 $\pm$ 10%	0.780	15.0	796.00 K	0.41	0.44	2.8
RL-8064-2-471KR39	470.0 $\pm$ 10%	1.000	10.0	796.00 K	0.34	0.39	2.3
RL-8064-2-681KR32	680.0 $\pm$ 10%	1.500	10.0	796.00 K	0.28	0.32	1.9
RL-8064-2-102KR26	1000.0 $\pm$ 10%	2.200	20.0	252.00 K	0.23	0.26	1.5
RL-8064-2-152KR21	1500.0 $\pm$ 10%	3.500	30.0	252.00 K	0.18	0.21	1.2

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 TESTED AT 1 kHz, 1.0 Vrms



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-8064-3

Renco Part No. RL-8064-3	Inductance (μ H)	DCR Max. (Ohms)	Q Min.	Q Test Frequency (Hz)	Isat (A)	Irms (A)	SRF MHz (MIN.)
RL-8064-3-3R3M5R9	3.3 $\pm$ 20%	0.010	10.0	7.96 M	8.80	5.90	36.0
RL-8064-3-4R7M4R8	4.7 $\pm$ 20%	0.015	10.0	7.96 M	7.20	4.80	28.0
RL-8064-3-6R8M4R6	6.8 $\pm$ 20%	0.016	10.0	7.96 M	6.10	4.60	18.0
RL-8064-3-100M3R7	10.0 $\pm$ 20%	0.025	20.0	2.52 M	5.00	3.70	16.0
RL-8064-3-150M3R4	15.0 $\pm$ 20%	0.029	20.0	2.52 M	4.20	3.40	12.0
RL-8064-3-220K2R9	22.0 $\pm$ 10%	0.040	20.0	2.52 M	3.40	2.90	9.5
RL-8064-3-330K2R3	33.0 $\pm$ 10%	0.062	30.0	2.52 M	2.80	2.30	7.0
RL-8064-3-470K2R1	47.0 $\pm$ 10%	0.075	30.0	2.52 M	2.30	2.10	5.8
RL-8064-3-680K1R6	68.0 $\pm$ 10%	0.130	20.0	2.52 M	1.90	1.60	4.7
RL-8064-3-101K1R4	100.0 $\pm$ 10%	0.160	20.0	796.00 K	1.60	1.40	3.8
RL-8064-3-151K1R1	150.0 $\pm$ 10%	0.260	20.0	796.00 K	1.30	1.10	3.1
RL-8064-3-221K1R0	220.0 $\pm$ 10%	0.330	30.0	796.00 K	1.10	1.00	2.5
RL-8064-3-331KR82	330.0 $\pm$ 10%	0.520	20.0	796.00 K	0.88	0.82	2.0
RL-8064-3-471KR72	470.0 $\pm$ 10%	0.660	10.0	796.00 K	0.75	0.72	1.6
RL-8064-3-681KR56	680.0 $\pm$ 10%	1.100	10.0	796.00 K	0.61	0.56	1.3
RL-8064-3-102JR50	1000.0 $\pm$ 5%	1.400	20.0	252.00 K	0.51	0.50	1.1
RL-8064-3-152JR38	1500.0 $\pm$ 5%	2.400	30.0	252.00 K	0.43	0.38	0.82
RL-8064-3-222JR33	2200.0 $\pm$ 5%	3.200	30.0	252.00 K	0.35	0.33	0.76
RL-8064-3-332JR26	3300.0 $\pm$ 5%	4.900	30.0	252.00 K	0.28	0.26	0.64
RL-8064-3-472JR21	4700.0 $\pm$ 5%	7.600	30.0	252.00 K	0.24	0.21	0.54
RL-8064-3-682JR18	6800.0 $\pm$ 5%	9.800	30.0	252.00 K	0.20	0.18	0.45
RL-8064-3-103JR14	10000.0 $\pm$ 5%	18.000	30.0	796.00 K	0.17	0.14	0.38
RL-8064-3-153JR12	15000.0 $\pm$ 5%	24.000	50.0	796.00 K	0.13	0.12	0.29

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 TESTED AT 1 kHz, 1.0 Vrms



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

