



RL-6013

"LO-PRO" COMMON MODE TOROIDS HORIZONTAL MOUNT

DESCRIPTION

- Lo-Pro Toroid
- Common Mode Horizontal Mount

ENVIRONMENTAL DATA

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

PACKAGING INFORMATION

- Packaging information: pg. 495

FEATURES & APPLICATIONS

- Meets critical filtering requirements where installation profiles are at a premium
- 13 values, 4 sizes, rated currents 2.0 A to 15.0 A
- UL94-VO materials used
- Meet IEC, VDE and CSA specifications
- Typical applications include: power line filters, suppress EMI in switched-mode supplies, and linear power supply filters
- Dielectric withstanding voltage rated at 2000 VAC line to line

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

MECHANICAL DIMENSIONS

U.S. Standard (mm)

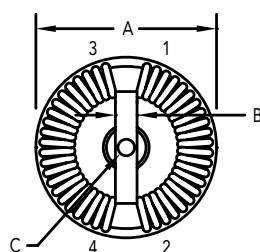
PART NUMBER	A (MAX.)	B (TYP.)	C DIA±.005	D (NOM.)	E (MAX.)	F (TYP.)
RL-6013	2.320 (58.93)	0.120 (3.05)	0.170 (4.32)	*	1.072 (27.23)	0.032 (0.81)

* SEE SPECIFICATION TABLE FOR "D" DIMENSION

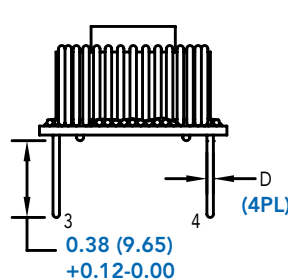
PART NUMBER	PART WEIGHT
RL-6013	155.0g (5.47oz)

G (REF.)	H (REF.)
0.500 (12.70)	2.060 (52.32)

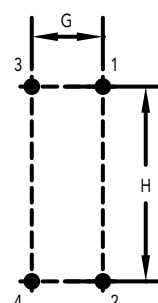
TOP VIEW



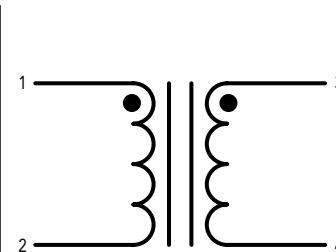
SIDE VIEW



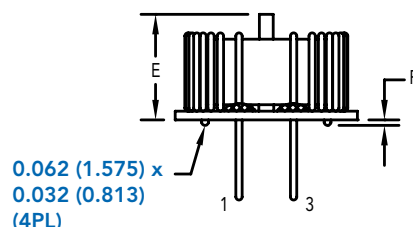
RECOMMENDED PCB LAYOUT



SCHEMATIC



FRONT VIEW



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RL-6013

Renco Part No. RL-6013	Inductance (mH)-0+60%	DCR Max. (Ohms)	Leakage Inductance (μH) Typ.	"D" Diameter (in) NOM	Irms (A)
RL-6013-39-2	39.0	0.320	552.0	0.025	2.0
RL-6013-62-2	62.0	0.390	440.0	0.025	2.0
RL-6013-120-2	120.0	0.490	925.0	0.025	2.0
RL-6013-18-4	18.0	0.170	252.0	0.029	4.0
RL-6013-33-4	33.0	0.230	486.0	0.029	4.0
RL-6013-15-6	15.0	0.120	193.0	0.032	6.0
RL-6013-27-6	27.0	0.160	127.0	0.032	6.0
RL-6013-10-9	10.0	0.065	246.0	0.040	9.0
RL-6013-18-9	18.0	0.086	97.0	0.040	9.0
RL-6013-6.8-12	6.80	0.046	182.0	0.045	12.0
RL-6013-12-12	12.0	0.062	79.0	0.045	12.0
RL-6013-5.6-12	5.60	0.036	78.0	0.051	15.0
RL-6013-10-15	10.0	0.043	145.0	0.051	15.0

NOTES:

1. ELECTRICAL SPECIFICATIONS MEASURED AT 25°C
2. I_{rms} - CURRENT THAT CAUSES THE TEMPERATURE TO RISE
APPROX. 40°C ABOVE AMBIENT OF 25°C
3. INDUCTANCE TESTED AT 10 kHz, 0.1 V_{rms}

