



# RL-7747

## CURRENT SENSE TRANSFORMER

### DESCRIPTION

- Current Sense Transformer

### ENVIRONMENTAL DATA

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

### PACKAGING INFORMATION

- Packaging information: pg. 495

### FEATURES & APPLICATIONS

- UL class B insulation system and construction listed
  - Small physical package for tight configurations
  - Typical input 0.1 A to 40 A, typical output 110 mV per ampere
  - Typical applications: gear/switch boards, load/overload sensing, power demand monitor, feedback control
  - Designed to work at 47 Hz to 400 Hz
  - Dielectric withstanding voltage rated at 2500 VAC line to line
  - Typical accuracy response 90% - dependent on frequency temperature and load
  - Design burden resistor for 4.0 VRMS max output
- Verify operation with sample in actual circuit. Order samples at [www.rencousa.com](http://www.rencousa.com).

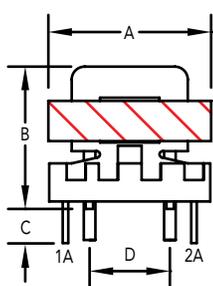
### MECHANICAL DIMENSIONS

U.S. Standard (mm)

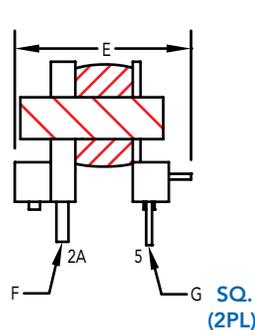
PART NUMBER	A (MAX.)	B (MAX.)	C ±0.037 (0.93)	D ±0.015 (0.38)	E (MAX.)
RL-7747	0.86 (21.84)	0.71 (18.03)	0.163 (4.14)	0.37 (9.40)	0.85 (21.59)

PART NUMBER	PART WEIGHT	F ±0.005 (0.127)	G (TYP.)	H ±0.015 (0.381)	I ±0.005 (0.127)
RL-7747	13.0g (0.45oz)	0.08 (2.03)	0.025 (0.64)	0.400 (10.16)	0.600 (15.24)

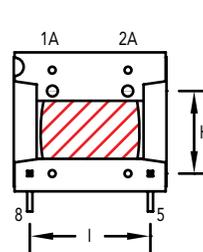
FRONT VIEW



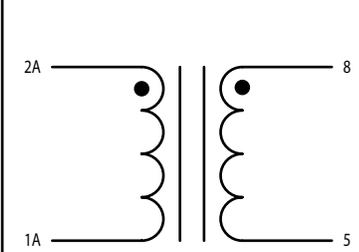
SIDE VIEW



BOTTOM VIEW



SCHEMATIC



PART NUMBER	TURNS RATIO	PRIMARY DCR MAX.	SECONDARY DCR MAX.
RL-7747-500	500:1	0.30 mΩ	21 Ω
RL-7747-1000	1000:1	0.30 mΩ	86 Ω



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