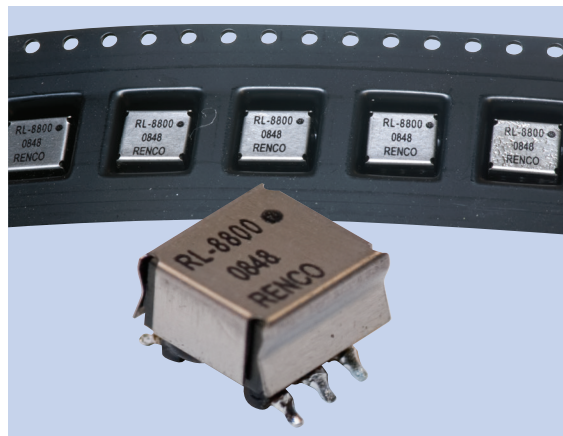




# RL-8800

## FLYBACK TRANSFORMER FOR TEXAS INSTRUMENTS RD-171

(FORMALLY NATIONAL SEMICONDUCTOR)

(LM5001)

### DESCRIPTION

- Flyback Transformer

### ENVIRONMENTAL DATA

- Storage temperature range:  
-55°C to +130°C
- Operating ambient temperature range:  
-40°C to +85°C

### PACKAGING INFORMATION

- 750 pieces per 13" reel  
Plastic Tape: 24 mm wide, 0.5 mm thick  
12 mm pocket spacing, 5.8 mm pocket depth

### FEATURES

- Designed to operate up to 600 kHz
- Input voltage range: 8-36 V
- Output: +5 V/-5 V at 2.5 watts
- 500 VDC isolation
- UL Class B (130°C) Insulation
- Core material: ferrite, low loss
- Bobbin: phenolic PM9630
- Terminations: SnCu over phosphor bronze
- Moisture sensitivity level: 1
- Resistance to solder heat: 10 seconds at 260°C

Verify operation with sample in actual circuit. Order samples at [www.rencousa.com](http://www.rencousa.com).

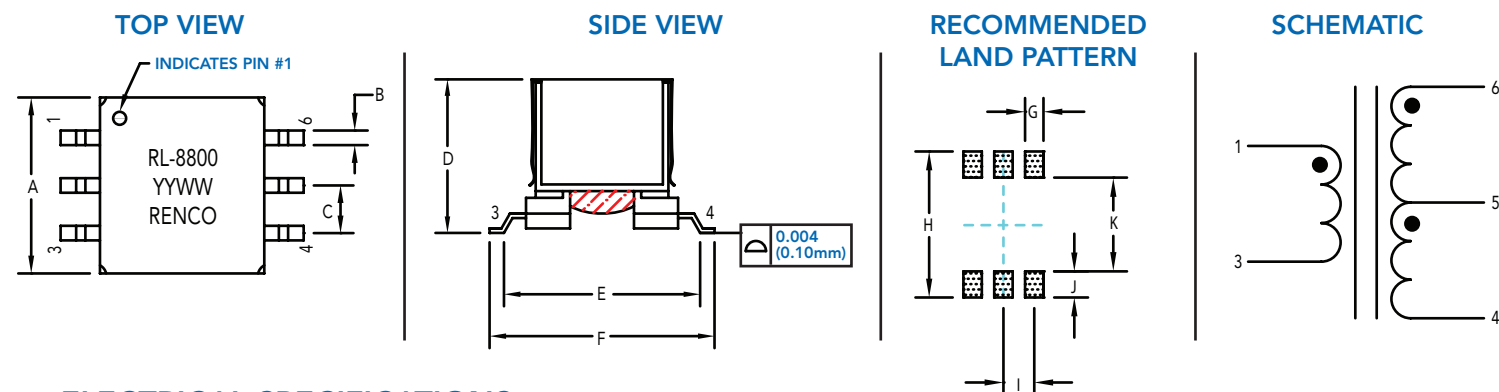
### MECHANICAL DIMENSIONS

U.S. Standard (mm)

| PART NUMBER | A (MAX.)     | B (MAX.)     | C            | D (MAX.)     | E (REF.)     | F (MAX.)     |
|-------------|--------------|--------------|--------------|--------------|--------------|--------------|
| RL-8800     | 0.275 (6.98) | 0.023 (0.60) | 0.072 (1.85) | 0.225 (5.71) | 0.259 (6.60) | 0.325 (8.25) |

| G            | H            | I            | J            | K            |
|--------------|--------------|--------------|--------------|--------------|
| 0.043 (1.09) | 0.343 (8.71) | 0.072 (1.85) | 0.061 (1.56) | 0.219 (5.56) |

| PART WEIGHT     |
|-----------------|
| 0.74g (0.026oz) |



### ELECTRICAL SPECIFICATIONS

INDUCTANCE L (1-3) = 26.0μH ± 5%<sup>1</sup>  
LEAKAGE INDUCTANCE Le (1-3) = 1.0μH MAX<sup>1</sup>  
SHORT PINS: 4, 5, 6

DC RESISTANCE (OHMS) MAX  
DCR (1-3) = 0.21 Ω  
(6-5) = 0.19 Ω  
(5-4) = 0.19 Ω

HIPOT: APPLY 500 VDC FOR 2 SECS  
BETWEEN PINS 1 TO 4  
TURNS RATIO:  
PRI: SEC: SEC=1:0.54:0.54

#### NOTES:

- INDUCTANCE AND LEAKAGE INDUCTANCE TESTED AT 600 kHz/0.1VAC
- ELECTRICAL SPECIFICATIONS MEASURED AT 25°C



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