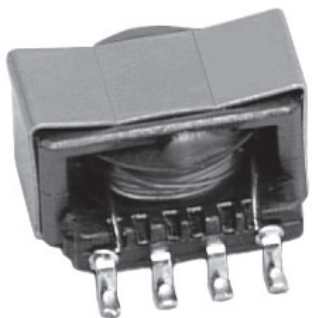


Surface Mount Current Sense Transformer



ELECTRICAL SPECIFICATIONS

Primary Inductance (4 to 3): 2000 μ H \pm 20 % at 0.1 V_{RMS}, 100 kHz

Primary DC Current (continuous): 0.120 A (DC) for temperature rise of 30 °C max.

Primary Incremental current (or peak current): 0.120 A (DC) typical for less than 20 % reduction of inductance

Primary DC Resistance (4 to 3): 4.95 Ω max.

Secondary DC Resistance (2 to 1): 0.50 Ω max.

Tertiary DC Resistance (7 to 6): 0.50 Ω max.

Turns Ratio: pri : sec : ter = 10.0 : 1.0 : 1.0

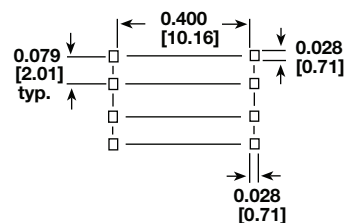
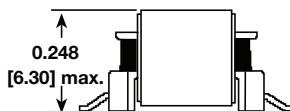
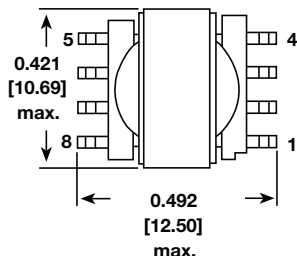
Hipot Voltage: 500 V (AC), 5 s (between windings and windings an core)

Operating Temperature Range: -20 °C to +85 °C

STANDARD ELECTRICAL SPECIFICATIONS

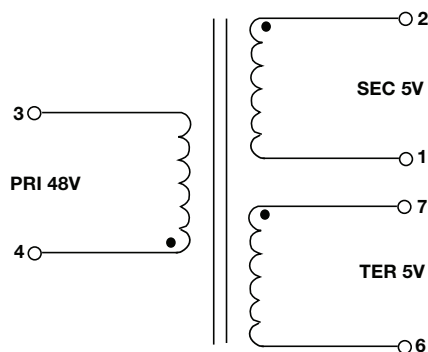
| MODEL | PRIMARY IND. MIN. (μ H) | PRIMARY IND. TOL. | PRIMARY DCR MAX. (Ω) | PRIMARY MAX. RATED DC CURRENT (A) |
|---------------|------------------------------|-------------------|-------------------------------|-----------------------------------|
| LPE-4841-A313 | 2000 | \pm 20 % | 4.95 | 0.120 |

DIMENSIONS in inches [millimeters]



Footprint diagram

SCHEMATIC





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