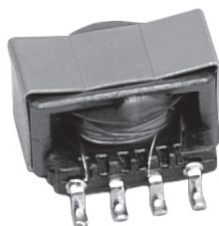


Surface Mount Current Sense Transformer



ELECTRICAL SPECIFICATIONS

Primary Inductance (1, 2 to 3, 4): $36 \mu\text{H} \pm 20\%$ at $0.1 V_{\text{RMS}}$, 100 kHz

Primary DC Current (continuous): 0.95 A (DC) for temperature rise of 30°C max.

Primary Incremental Current (or peak current): 1.33 A (DC) typical for less than 20 % reduction of inductance

Primary DC Resistance (1, 2 to 3, 4): 0.150Ω max.

Secondary DC Resistance (6 to 7): 0.300Ω max.

Turns Ratio: pri : sec = 1.0 : 1.0

Hipot Voltage: 500 V (AC), 5 s (between primary and secondary windings and to core)

Operating Temperature Range: -20°C to $+85^\circ\text{C}$

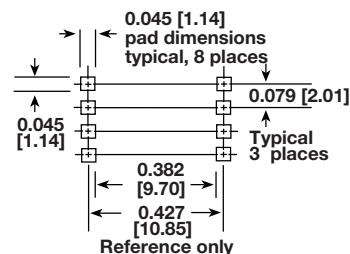
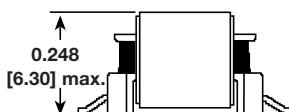
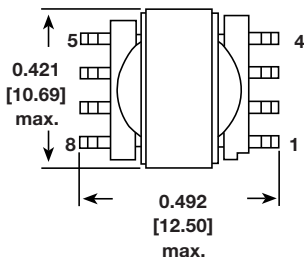
Note

- Terminals 1, 2 and 3, 4 must be tied together for proper operation of the transformer primary

STANDARD ELECTRICAL SPECIFICATIONS

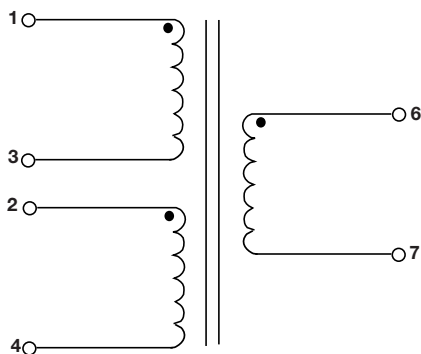
MODEL	PRIMARY IND. MIN. (μH)	PRIMARY IND. TOL.	PRIMARY DCR MAX. (Ω)	PRIMARY MAX. RATED DC CURRENT (A)
LPE-4841-A307	36	$\pm 20\%$	0150	0.95

DIMENSIONS in inches [millimeters]



Footprint diagram

SCHEMATIC





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