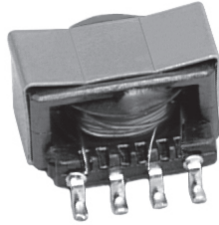


## Surface Mount Current Sense Transformer



### 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  $30^\circ\text{C}$  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):**  $0.150 \Omega$  max.

**Secondary DC Resistance (6 to 7):**  $0.300 \Omega$  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:**  $-20^\circ\text{C}$  to  $+85^\circ\text{C}$

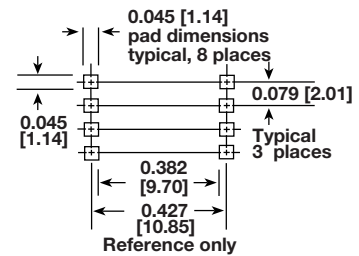
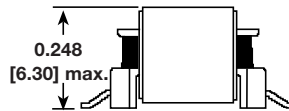
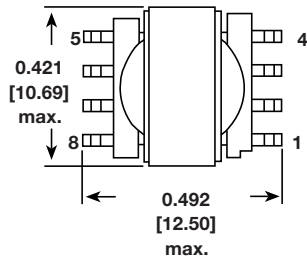
#### Note

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

### STANDARD ELECTRICAL SPECIFICATIONS

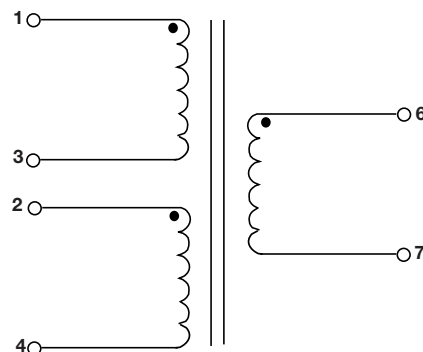
MODEL	PRIMARY IND. MIN. ( $\mu\text{H}$ )	PRIMARY IND. TOL.	PRIMARY DCR MAX. ( $\Omega$ )	PRIMARY MAX. RATED DC CURRENT (A)
LPE-4841-A307	36	$\pm 20\%$	0150	0.95

### DIMENSIONS in inches [millimeters]



Footprint diagram

### SCHEMATIC





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