

DC/DC Transformer

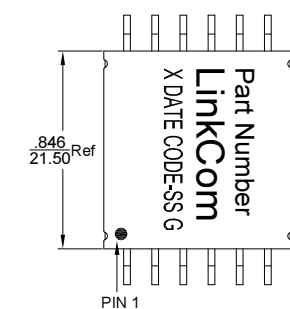
- Forward Transformer for PoE applications
- RoHS Compliant
- Operating Temperature -40°C to +125°C
- Storage Temperature -40°C to +85°C

Electrical Specifications @25°C

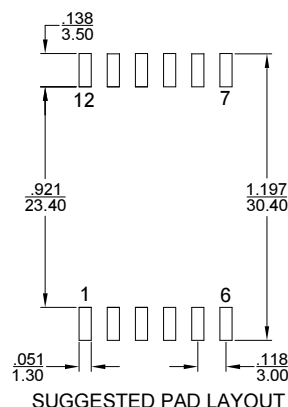
Inductance:	PIN 1,2-3,4 = 100 uH $\pm$ 10% @ 100KHz/0.1V (Pin 1,2 shorted and Pin 3,4 shorted)
Leakage Inductance:	PIN 1,2-3,4 = 0.50 uH MAX . @ 100KHz/0.1V (Pin 1,2 shorted and Pin 3,4 shorted and Pin 5,6 shorted and Pin 7,8,9,10,11,12 shorted)
D.C.R.:	PIN 1,2-3,4 = 52 mohm Max. (Pin 1,2 shorted and Pin 3,4 shorted)
	PIN 5-6 = 125 mohm Max.
	PIN 12,11,10-9,8,7 = 13.5 mohm Max. (Pin 12,11,10 shorted and Pin 9,8,7 shorted)
Turn Ratio:	PIN 1,2-3,4 : PIN 5-6 = 2.00 $\pm$ 3% :1 (Pin 1,2 shorted and Pin 3,4 shorted)
	PIN 1,2-3,4 : PIN 12,11,10-9,8,7 = 1.78 $\pm$ 3% :1 (Pin 1,2 shorted and Pin 3,4 shorted and Pin 12,11,10 shorted and Pin 9,8,7 shorted)
Hi-POT :	PRI. – SEC. = 1500VAc/2Sec/1mA

Dimensions

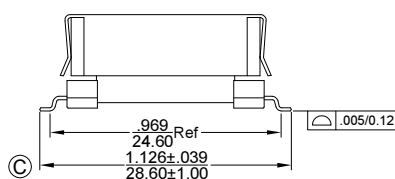
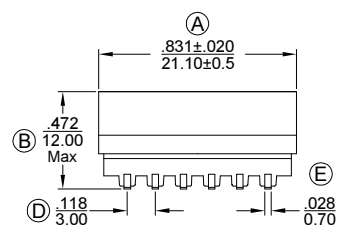
((Units: $\frac{\text{Inches}}{\text{mm}}$, Unless otherwise specified, all tolerances are $\pm\frac{.010}{0.25}$)



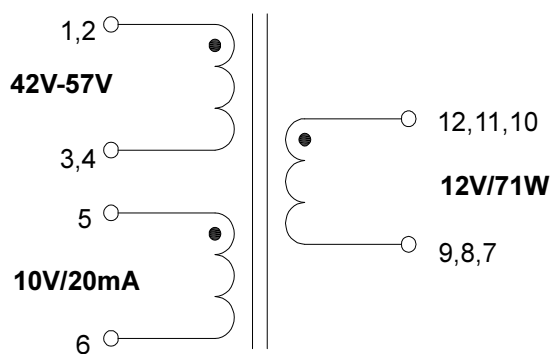
TOP VIEW



SUGGESTED PAD LAYOUT



Schematic



Primary windings and secondary windings to be connected in parallel on PC board.

Mark

- 1.Part Number----LDT8650
- 2.X----PRODUCT LINE or BLANK
- 3.DATE CODE----YYWW
- 4.SS----51
- 5.G----RoHS

Package info

LDT8650-51R - Tape reel