

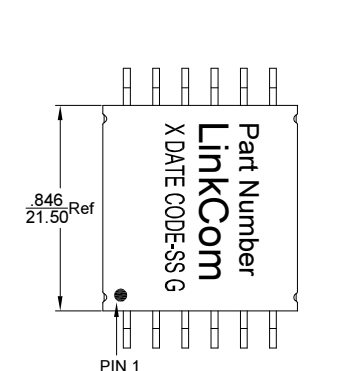
DC/DC Transformer

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

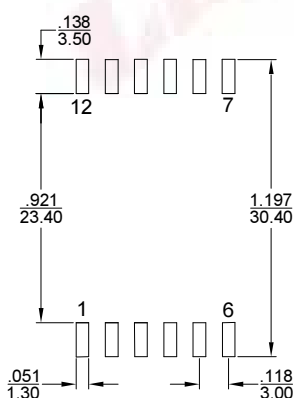
Electrical Specifications @25°C	
Inductance:	PIN 1,2-3,4 = 100uH ±15% @ 100KHz/0.1V (Pin 1,2 shorted and 3,4 shorted)
Leakage Inductance:	PIN 1,2-3,4 = 0.60uH Max. @ 100KHz/0.1V (Pin 1,2 shorted and 3,4 shorted and 7,8,9,10,11,12 shorted)
D.C.R	PIN 1,2-3,4 = 35 mohm Max. (Pin 1,2 shorted and 3,4 shorted)
	PIN 5-6 = 110 mohm Max.
	PIN 12,11,10-9,8,7 = 10 mohm Max. (Pin 12,11,10 shorted and 9,8,7 shorted)
Turn Ratio:	PIN 1,2-3,4 : PIN 5-6 = 2.00±3%:1 (Pin 1,2 shorted and 3,4 shorted)
	PIN 1,2-3,4 : PIN 12,11,10-9,8,7 = 2.00±3%:1 (Pin 1,2 shorted and 3,4 shorted and 12,11,10 shorted and 9,8,7 shorted)
Hi-POT :	PRI. – SEC. = 1500V _{AC} /2Sec/1mA

Dimensions

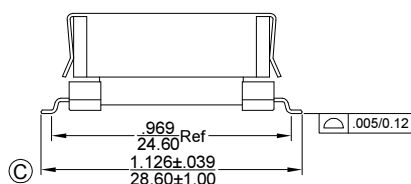
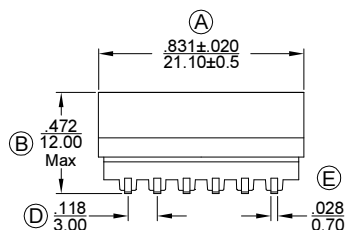
((Units: $\frac{\text{Inches}}{\text{mm}}$, Unless otherwise specified, all tolerances are ± 0.25)



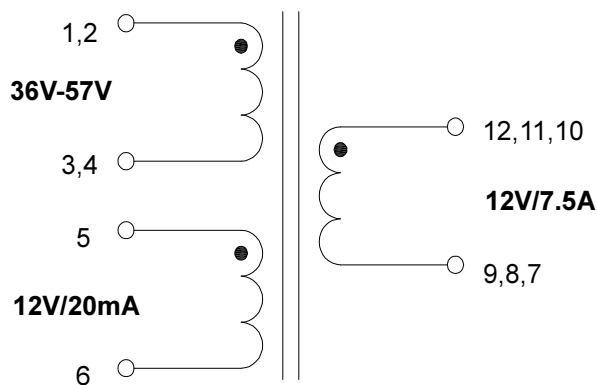
TOP VIEW



SUGGESTED PAD LAYOUT



Schematic



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

Mark

- 1.Part Number----LDT8612
- 2.X----PRODUCT LINE or BLANK
- 3.DATE CODE----YYWW
- 4.SS----50 or BLANK
- 5.G----RoHS

Package info

LDT8612-50R - Tape reel