

DC/DC Transformer

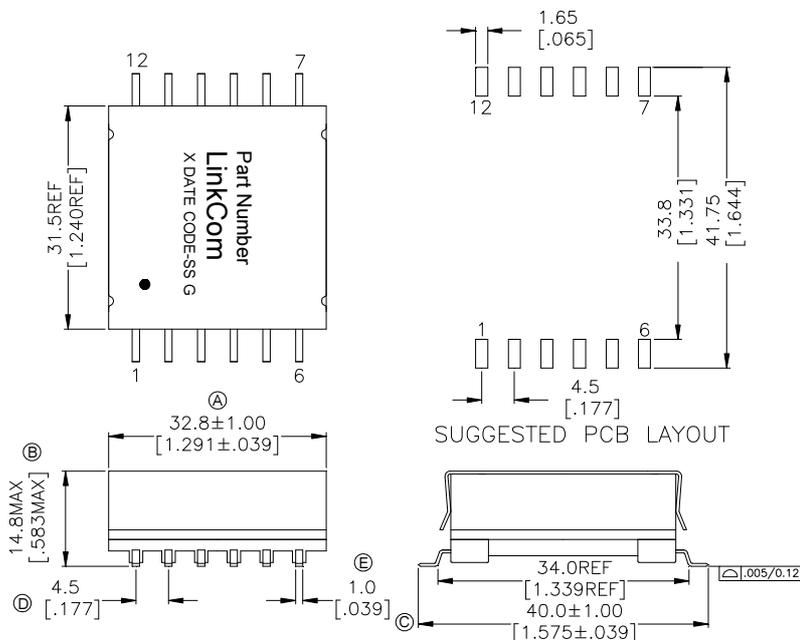
- Forward transformer for PoE applications
- RoHS Compliant
- Operating Temperature -40°C to +125°C
- Storage Temperature -40°C to +85°C

Electrical Specifications @25°C

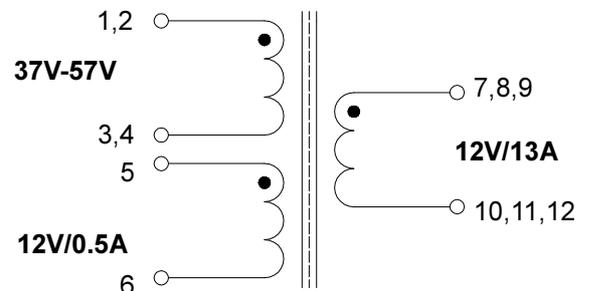
Inductance:	PIN 1,2-3,4 = 140uH ±30% @ 100KHz/0.1V (Pin 1,2 shorted and Pin 3,4 shorted)
Leakage Inductance:	PIN 1,2-3,4 = 0.50uH Max. @ 100KHz/0.1V (Pin 1,2 shorted and Pin 3,4 shorted and Pin 5,6 shorted and Pin 7,8,9,10,11,12 shorted)
D.C.R	PIN 1,2-3,4 = 21.5 mohm Max. (Pin 1,2 shorted and Pin 3,4 shorted)
	PIN 5-6 = 85 mohm Max.
	PIN 7,8,9-10,11,12 = 6.8 mohm Max. (Pin 7,8,9 shorted and Pin 10,11,12 shorted)
Turn Ratio:	PIN 1,2-3,4 : PIN 5-6 = 2.00±3% : 1 (Pin 1,2 shorted and Pin 3,4 shorted)
	PIN 1,2-3,4 : PIN 7,8,9-10,11,12 = 2.00±3% : 1 (Pin 1,2 shorted and Pin 3,4 shorted and Pin 7,8,9 shorted and Pin 10,11,12 shorted)
Hi-POT :	PRI. – SEC. = 1500V _{Ac} /2Sec/1mA

Dimensions

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



Schematic



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

Mark

- 1.Part Number----LDT9152
- 2.X----PRODUCT LINE or BLANK
- 3.DATE CODE----YYWW
- 4.SS----55
- 5.G----RoHS

Package info

LDT9152-55R - Tape reel