

DC/DC Transformer

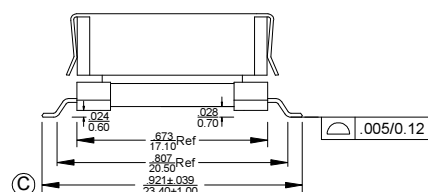
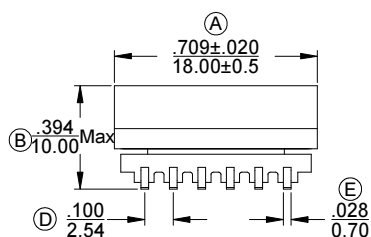
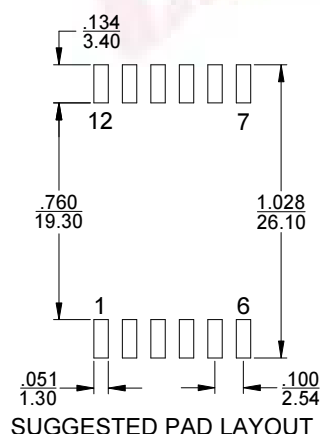
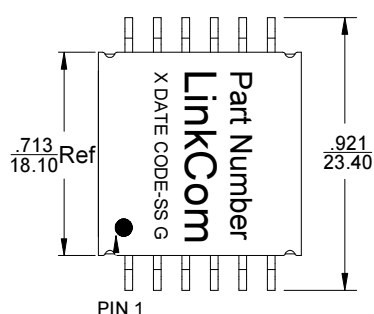
- Flyback transformer for PoE applications
- RoHS Compliant
- Operating Temperature -40°C to +125°C
- Storage Temperature -40°C to +85°C

Electrical Specifications @25°C

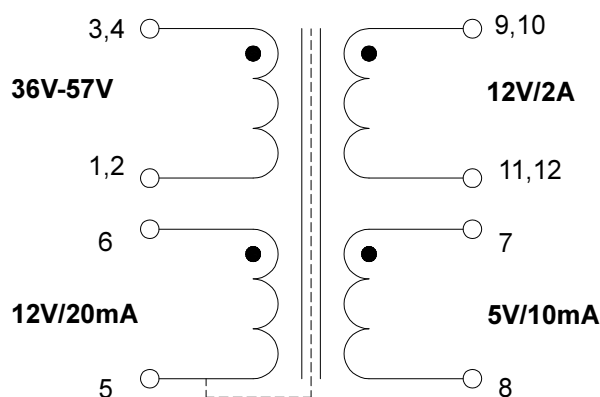
Inductance:	PIN 4,3-2,1 = 100.0uH ±10% @ 100KHz/0.1V (Pin 4,3 shorted and 2,1 shorted)
Leakage Inductance:	PIN 4,3-2,1 = 1.60uH Max. @ 100KHz/0.1V (Pin 4,3 shorted and 2,1 shorted and 12,11,10,9,8,7,6,5 shorted)
D.C.R	PIN 4,3-2,1 = 290 mohm Max. (Pin 4,3 shorted and 2,1 shorted)
	PIN 6-5 = 680 mohm Max.
	PIN 7-8 = 220 mohm Max.
	PIN 9,10-11,12 = 45 mohm Max. (Pin 9,10 shorted and 11,12 shorted)
Turn Ratio:	PIN 4,3-2,1 : PIN 6-5 = 2.92±3%:1 (Pin 4,3 shorted and 2,1 shorted)
	PIN 4,3-2,1 : PIN 7-8 = 7.00±3%:1 (Pin 4,3 shorted and 2,1 shorted)
	PIN 4,3-2,1 : PIN 9,10-11,12 = 2.92±3%:1 (Pin 4,3 shorted and 2,1 shorted and 9,10 shorted and 11,12 shorted)
Hi-POT :	PRI. – SEC. = 1500VAc/2Sec/1mA

Dimensions

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



Schematic



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

Mark

1. Part Number----LDT8502
2. X----PRODUCT LINE or BLANK
3. DATE CODE----YYWW
4. SS----50 or BLANK
5. G----RoHS

Package info

LDT8502-50R - Tape reel