

DC/DC Transformer

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

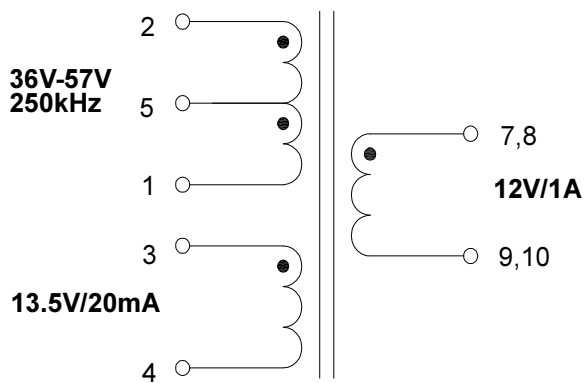
Electrical Specifications @25°C

Inductance:	PIN 2-1 = 140uH $\pm 10\%$ @ 100KHz/0.1V
Leakage Inductance:	PIN 2-1 = 1.40uH Max. @ 100KHz/0.1V (PIN 3,4 shorted and PIN 7,8,9,10 shorted)
	PIN 2-1 = 1.70uH Max. @ 100KHz/0.1V (PIN 7,8,9,10 shorted)
D.C.R	PIN 2-1 = 410 mohm Max.
	PIN 3-4 = 390 mohm Max.
	PIN 7,8-9,10 = 35 mohm Max. (PIN 7,8 shorted and Pin 9,10 shorted)
Turn Ratio:	PIN 2-1 : PIN 3-4 = 2.25 $\pm 3\%$:1
	PIN 2-1 : PIN 7,8-9,10 = 2.57 $\pm 3\%$:1 (PIN 7,8 shorted and Pin 9,10 shorted)
Hi-POT :	PRI. – SEC. = 1500VAC/60Hz/60Sec/1mA

Dimensions

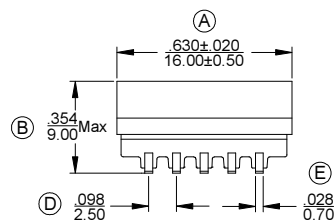
(Units: $\frac{\text{Inches}}{\text{mm}}$, Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$)

Schematic

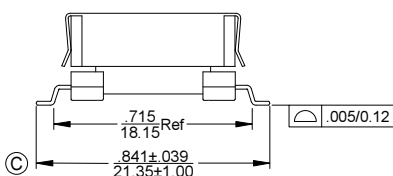


Secondary windings to be connected in parallel on PC board

TOP VIEW



SUGGESTED PAD LAYOUT



Mark

1. Part Number----LDT8002
2. X----PRODUCT LINE or BLANK
3. DATE CODE----YYWW
4. SS----55
5. G----RoHS

Package info

LDT8002-55R - Tape reel