

DC/DC Transformer

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

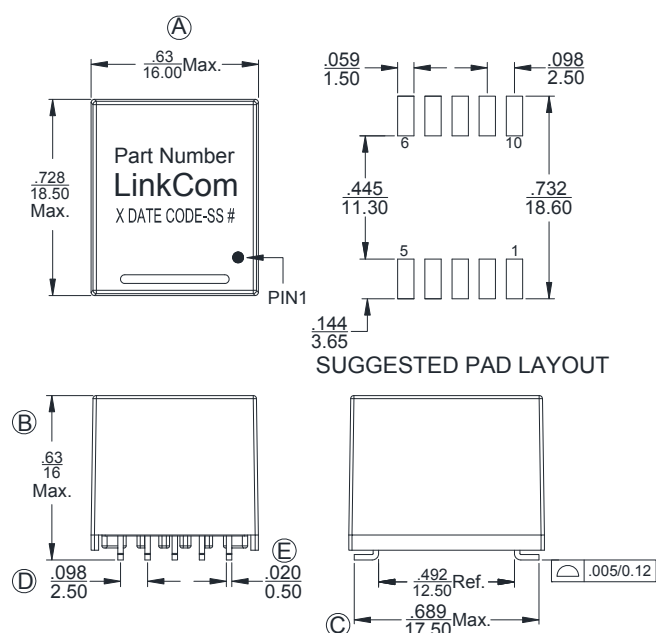


Electrical Specifications @25°C

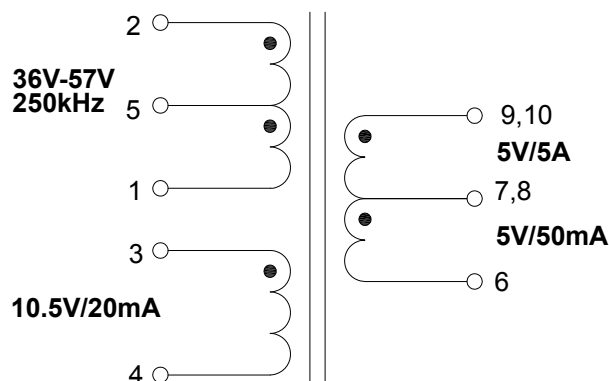
Inductance	PIN 1-2 = 65 uH $\pm 7\%$ @ 1KHz/0.5V
Leakage Inductance	PIN 1-2 = 0.85 uH Max. @ 250KHz/0.5V (Pin 3,4 shorted and Pin 6,7,8,9,10 shorted)
Interwinding Capacitance	PIN 1,2-7,8,9,10 = 70 pF Max. @ 100KHz/0.5V (Pin 1,2 shorted and Pin 7,8,9,10 shorted)
D.C.R.	PIN 1-2 = 120 mohm Max.
	PIN 7,8-9,10 = 5.50 mohm Max. (Pin 7,8 shorted and Pin 9,10 shorted)
	PIN 4-3 = 80 mohm Max.
	PIN 6-7 = 65 mohm Max.
Turn Ratio	PIN 1-2 : PIN 7,8-9,10 = 6.00 $\pm 3\%$:1 (Pin 7,8 shorted and Pin 9,10 shorted)
	PIN 1-2 : PIN 4-3 = 2.57 $\pm 3\%$:1
	PIN 1-2 : PIN 6-7 = 6.00 $\pm 3\%$:1
Hi-POT	PRI. – SEC. = 1500Vrms/60Hz/2S/1mA

Dimensions

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



Schematic



Secondary winding to be connected in parallel on PC board.

Mark

1. Part Number---LDT1038
2. X---PRODUCT LINE or BLANK
3. DATE CODE---YYWW
4. SS---51
5. G---RoHS

Package info

LDT1038 -51R - Tape reel