

DC/DC Transformer

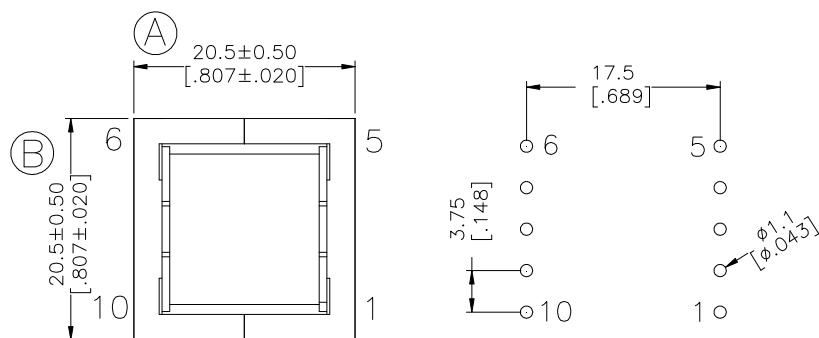
- Flyback transformer for PoE applications
- RoHS Compliant
- Operating Temperature -40°C to +105°C
- Storage Temperature -40°C to +85°C

Electrical Specifications @25°C

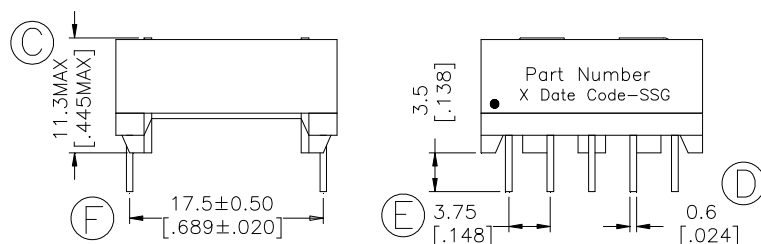
Inductance	PIN 1-3 = 55.0 uH $\pm 10\%$ @ 100KHz/0.1V
Leakage Inductance	PIN 1-3 = 1.00 uH Max. @ 100KHz/0.1V (Pin 6,7,8,9 shorted)
D.C.R.	PIN 1-3 = 110 mohm Max.
	PIN 5-4 = 35 mohm Max.
	PIN 6,7-8,9 = 28 mohm Max. (Pin 6,7 shorted and Pin 8,9 shorted)
Turn Ratio	PIN 1-3 : PIN 5-4 = 4.40 $\pm 3\%$:1
	PIN 1-3 : PIN 6,7-8,9 = 2.20 $\pm 3\%$:1 (Pin 6,7 shorted and Pin 8,9 shorted)
HI-POT	PRI. – SEC. = 1500VAC/2Sec/1mA

Dimensions

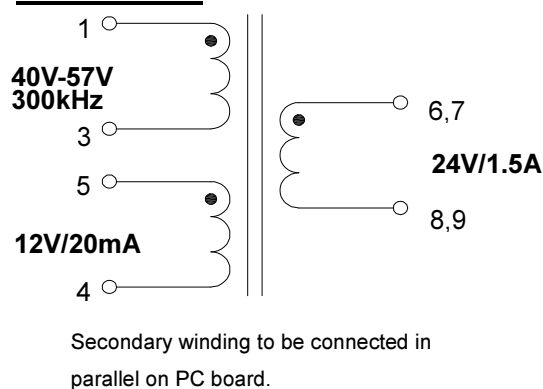
(Units: $\frac{\text{Inches}}{\text{mm}}$, Unless otherwise specified, all tolerances are $\pm \frac{.010}{.25}$)



SUGGESTED PCB LAYOUT



Schematic



Mark

1. Part Number----LDT2537
2. X----PRODUCT LINE OR BLANK
3. DATE CODE----YYWW
4. SS----50 or BLANK
5. G----RoHS

Package info

LDT2537-50P--Tray