

DC/DC Transformer

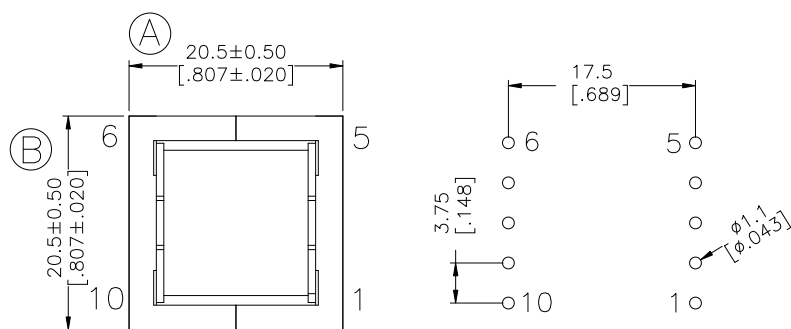
- Flyback transformer for PoE applications
- RoHS Compliant
- Operating Temperature -40°C to +105°C
- Storage Temperature -40°C to +85°C

Electrical Specifications @25°C

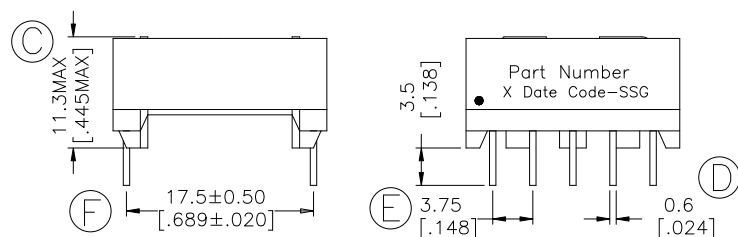
Inductance	PIN 3-1 = 60.0 uH ±10% @ 100KHz/0.1V
Leakage Inductance	PIN 3-1 = 1.40 uH Max. @ 100KHz/0.1V (Pin 6,7,9,10 shorted)
D.C.R.	PIN 3-1 = 125 mohm Max.
	PIN 4-5 = 125 mohm Max.
	PIN 10,9-7,6 = 23 mohm Max. (Pin 10,9 shorted and Pin 7,6 shorted)
Turn Ratio	PIN 3-1 : PIN 4-5 = 2.60±3%:1
	PIN 3-1 : PIN 10,9-7,6 = 2.60±3%:1 (Pin 10,9 shorted and Pin 7,6 shorted)
HI-POT	PRI. – SEC. = 1500VAC/2Sec/1mA

Dimensions

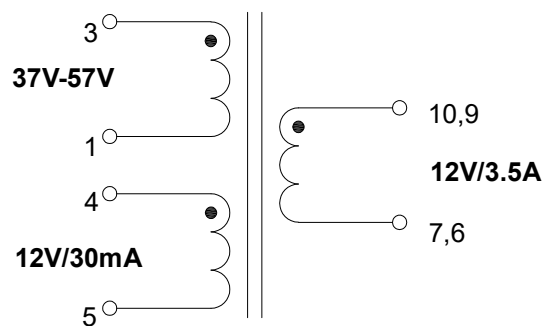
(Units: $\frac{\text{mm}}{\text{Inches}}$, Unless otherwise specified, all tolerances are $\pm \frac{0.25}{.010}$)



SUGGESTED PCB LAYOUT



Schematic



Secondary winding to be connected in parallel on PC board.

Mark

- 1.Part Number----LDT2553
2. X----PRODUCT LINE OR BLANK
3. DATE CODE----YYWW
- 4.SS----50 or BLANK
5. G----RoHS

Package info

LDT2553-50P--Tray