

DC/DC Transformer

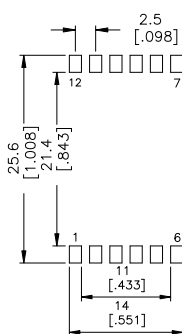
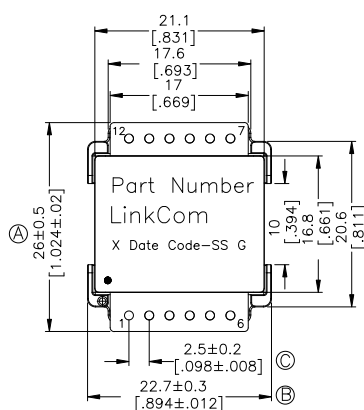
- Forward transformer for PoE applications
- RoHS Compliant
- Operating Temperature -40°C to +125°C
- Storage Temperature -40°C to +85°C
- Designed to operate at 250kHz
- Volt-time : 81.6(V-usec)

Electrical Specifications @25°C

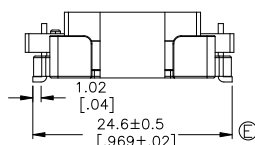
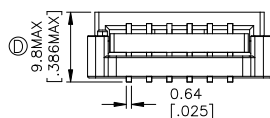
Inductance:	PIN 1,2-3,4 = 153uH Min. ~ 350uH Max. @ 100kHz/0.1V
Leakage Inductance:	PIN 1,2-3,4 = 0.4 uH Max. @ 100KHz/0.1V (PIN 5-6 & 7,8,9-10,11,12 Shorted)
D.C.R	PIN 1,2-3,4 = 90 mohm Max.
	PIN 7,8,9-10,11,12 = 4.7 mohm Max.
	PIN 5-6 = 150 mohm Max.
Turn Ratio:	PIN 1,2-3,4 : PIN 5-6 = 1.6 ± 3%:1
	PIN 1,2-3,4 : PIN 7,8,9-10,11,12 = 4 ± 3%:1
Hi-POT :	PRI. – SEC. = 1750Vdc/3Sec/0.5mA

Dimensions

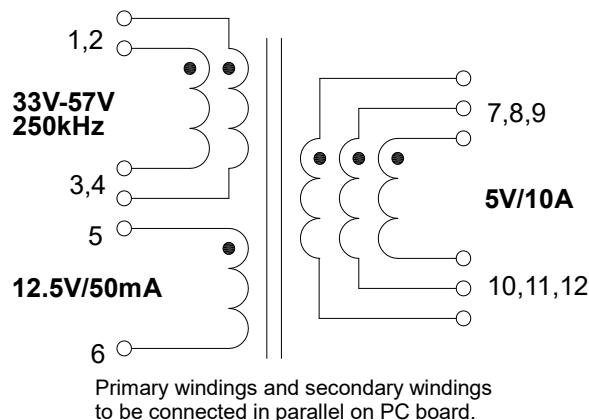
(Units: $\frac{\text{mm}}{[\text{Inches}]}$, Unless otherwise specified, all tolerances are $\pm \frac{0.25}{[.010]}$)



SUGGESTED PAD LAYOUT



Schematic



Mark

1. Part Number----LPD0001
2. X----PRODUCT LINE or BLANK
3. DATE CODE----YYWW
4. SS----53 or BLANK
5. G----RoHS

Package info

LPD0001-53R-Tape reel