

DC/DC Transformer

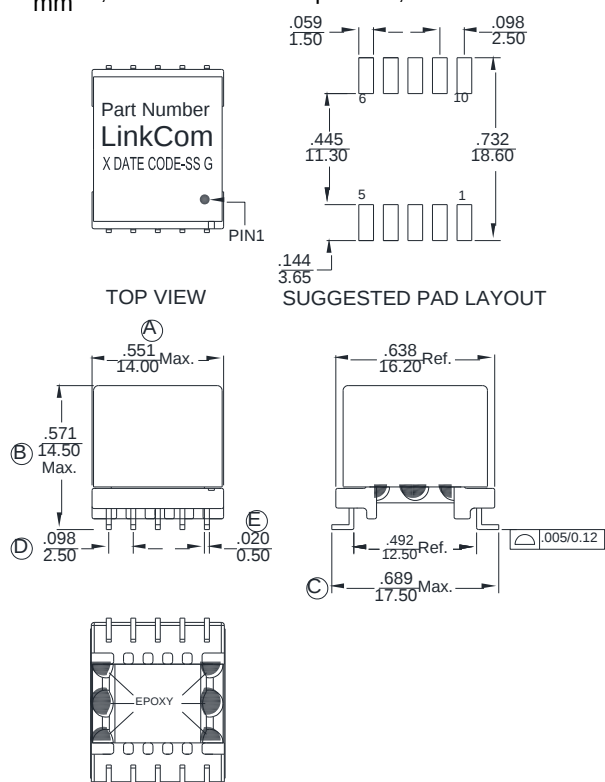
- Flyback transformer for PoE applications
- RoHS Compliant
- Operating Temperature -40°C to +125°C
- Storage Temperature -40°C to +85°C
- Max. Power : 13W



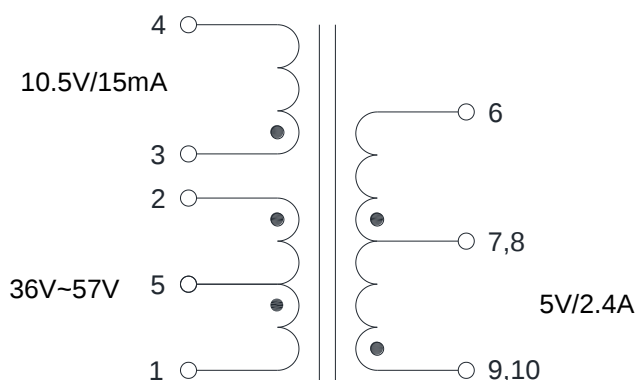
Electrical Specifications @25°C	
Inductance:	PIN 1-2 = 150 uH $\pm$ 7% @ 1KHz/0.5V
Leakage Inductance:	PIN 1-2 = 1 uH Max. @ 250KHz/0.5V (PIN 3,4 shorted ; 6,7,8,9,10 shorted)
Interwinding Capacitance:	PIN 1,2-7,8,9,10 = 78pF Max. @ 100KHz/0.5V (PIN 1,2 shorted ; 7,8,9,10 shorted)
Saturation Current	1.7A @ 10% roll off from initial inductance 1.9A @ 20% roll off from initial inductance
D.C.R	PIN 1-2 = 166 mohm $\pm$ 20%
	PIN 7,8-9,10 = 6.3 mohm $\pm$ 20%
	PIN 4-3 = 166 mohm $\pm$ 20%
	PIN 6-7 = 68.5 mohm $\pm$ 20%
Turn Ratio:	PIN 1-2 : PIN 7,8-9,10 = 6 $\pm$ 3%:1
	PIN 1-2 : PIN 4-3 = 2.66 $\pm$ 3%:1
	PIN 1-2 : PIN 6-7 = 6 $\pm$ 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



Mark

1. Part Number---LDT1018
2. X---PRODUCT LINE or BLANK
3. DATE CODE---YYWW
4. SS---50 or BLANK
5. G---RoHS

Package info

LDT1018-55R-Tape reel