

Features

- IEEE 802.3 Ethernet compatible
- Designed for AMD IC manufacturers
- Fully integrated for adapter, hub and motherboard applications
- RoHS compliant*

Product Dimensions

Applications

- LAN (Local Area Network)
- Ethernet

PT61017PEL LAN 10/100 Base-Tx

Electrical Specifications @ 25 °C

Turns Ratio ± 5%	1CT*:1CT*
Inductance	

Pin 1-3, 6-8 ..350 μH min. @ 100 KHz, 0.2 Vrms, 8 mA DC Bias

DCR

С

Pin 1-3, 6-8	$0.6~\Omega$ max.
Pin 9-11, 14-16	1.1 Ω max.
Insertion Loss	
0.3-100 MHz	-1.15 dB max.
Return Loss	
30 MHz	18 dB min.
60 MHz	12 dB min.
100 MHz	10 dB min.
Common Mode Rejection	

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30 MHz	40	dΒ	Min.
60 MHz	35	dΒ	Min.
100 MHz	30	dΒ	Min.
rosstalk			
1-60 MHz	45	dΒ	Min.

60-100 MHz-35 dB Min.

Hipot 1 mA, 2 sec.1500 VAC (PRI-SEC) Operating Temperature 0 °C to +70 °C Storage Temperature.. -25 °C to +125 °C

*CT: Center tap

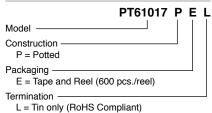
Material

Termination.....Tin

Packaging Specifications

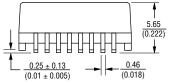
Tape & Reel...... 600 pcs./reel

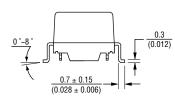
How To Order



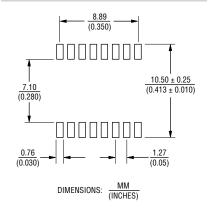
REV. 02/16

12.80 ± 0.25 (0.504 ± 0.010) 8.89 (0.350) 88888888 BOURNS 6.90 9.30 (0.366) PT61017PL (0.272)YYWW PIN 1



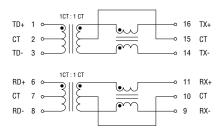


Recommended Layout

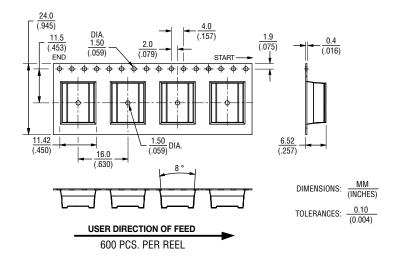


- UNLESS OTHERWISE NOTED TOLERANCES:

Electrical Schematic



Packaging Specifications







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