

Features

- IEEE 802.3 Ethernet compatible
- Designed for AMD IC manufacturers
- Fully integrated for adapter, hub and motherboard applications
- Extended temperature range: -40 °C to +85 °C
- RoHS compliant*

PT61017XPL 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	
Pin 1-3, 6-8	0.6 Ω max.
Pin 9-11, 14-16.....	1.1 Ω max.
Insertion Loss	
0.3-100 MHz	-1.15 dB max.
Return Loss	
1-40 MHz	
.....	-16 dB min.
40-100 MHz	
.....	-10+20*LOG ₁₀ (f/80 MHz) dB min.
Common Mode Rejection	
30 MHz.....	-40 dB Min.
60 MHz.....	-35 dB Min.
100 MHz.....	-30 dB Min.
Crosstalk	
1-60 MHz	-45 dB Min.
60-100 MHz	-35 dB Min.
Hipot	
1 mA, 2 sec.	1500 VAC (PRI-SEC)
Operating Temperature	
.....	-40 °C to +85 °C
Storage Temperature..	-40 °C to +125 °C

*CT: Center tap

Material

Termination..... Tin

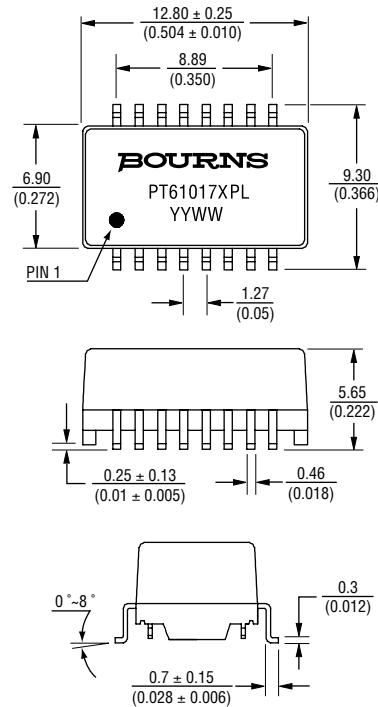
Packaging Specifications

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

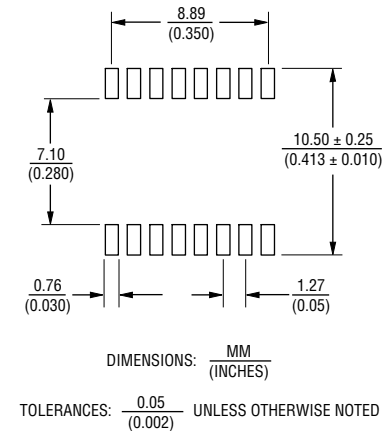
How To Order

	PT61017 X P E L
Model	PT61017
Operating Temperature	X = -40 °C to +85 °C
Construction	P = Potted
Packaging	E = Tape and Reel (600 pcs./reel)
Termination	L = Tin only (RoHS Compliant)

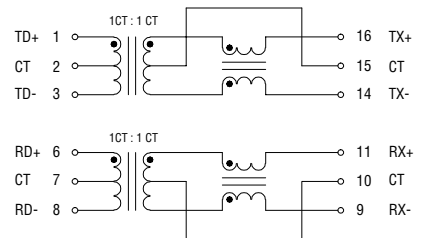
Product Dimensions



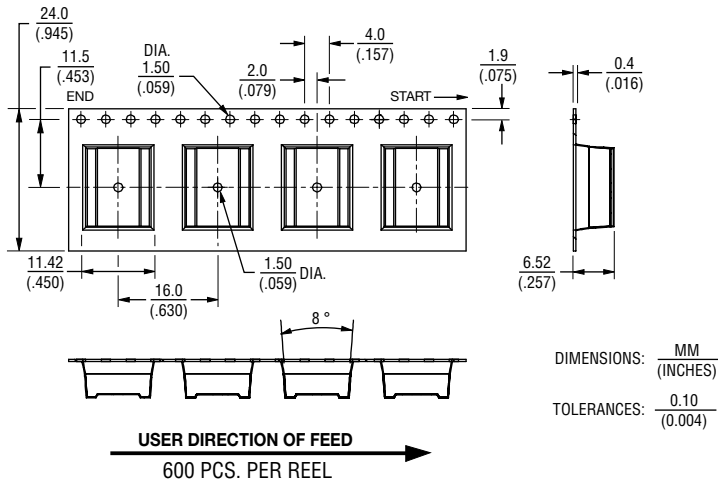
Recommended Layout



Electrical Schematic



Packaging Specifications



WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

REV. 08/19

*RoHS Directive 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specification

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