

Features

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

Applications

- LAN (Local Area Network)
- Ethernet

PT61017PEL LAN 10/100 Base-Tx

Electrical Specifications @ 25 °C

Turns Ratio $\pm 5\%$1CT*:1CT*
 Inductance
 Pin 1-3, 6-8...350 μ H 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
 30 MHz.....-18 dB min.
 60 MHz.....-12 dB min.
 100 MHz.....-10 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 Temperature0 °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

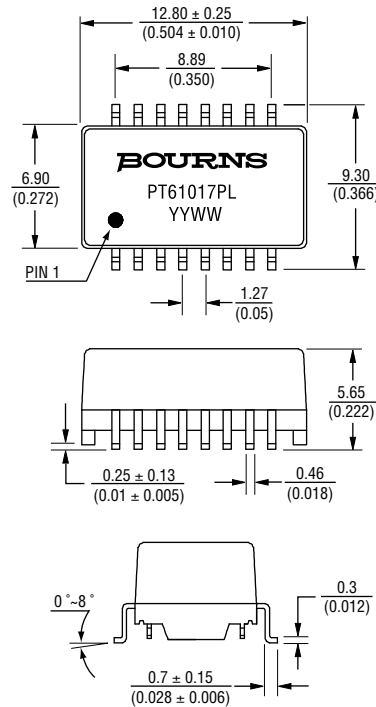
Model **PT61017 P E L**

Construction
 P = Potted

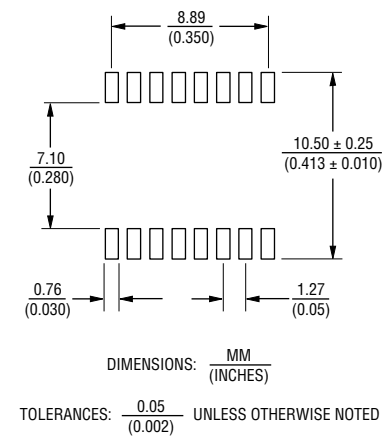
Packaging
 E = Tape and Reel (600 pcs./reel)

Termination
 L = Tin only (RoHS Compliant)

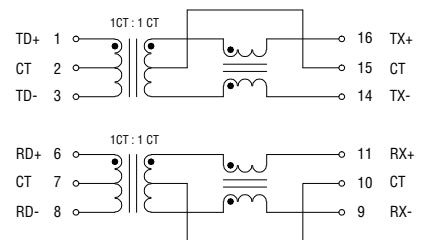
Product Dimensions



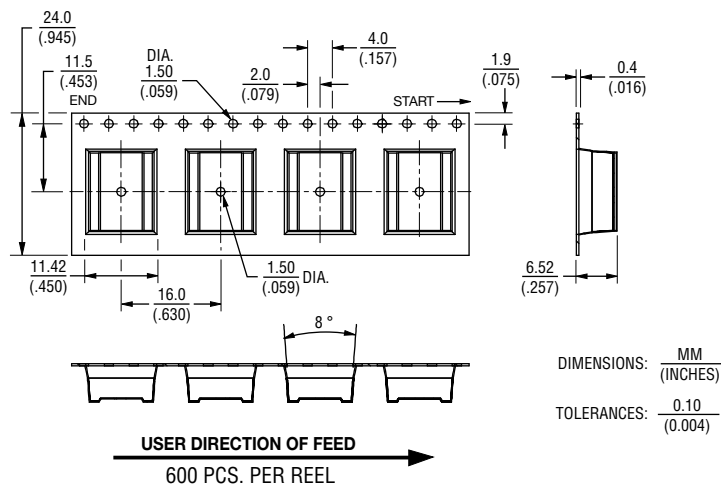
Recommended Layout



Electrical Schematic



Packaging Specifications



REV. 02/16



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

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
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