

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

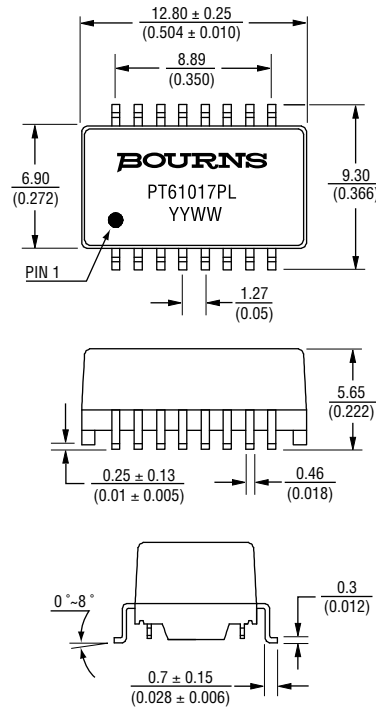
Packaging _____

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

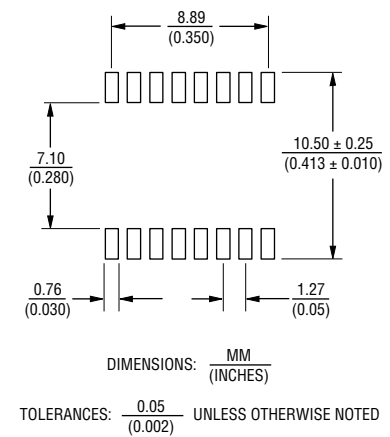
Termination _____

L = Tin only (RoHS Compliant)

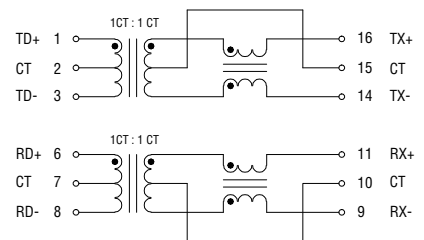
Product Dimensions



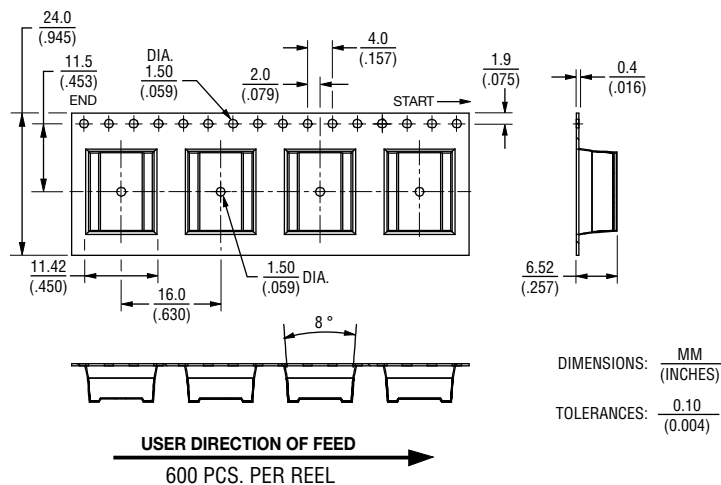
Recommended Layout



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. 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 specific legal disclaimers as set forth on the last page of this document. and at www.bourns.com/docs/legal/disclaimer.pdf.

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