

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*

PT61017XPEL 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*LOG₁₀(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

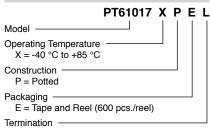


Material Termination.....Tin

Packaging Specifications

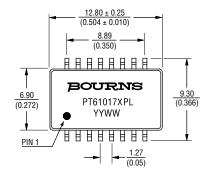
Tape & Reel...... 600 pcs./reel

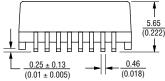
How To Order

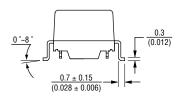


L = Tin only (RoHS Compliant)

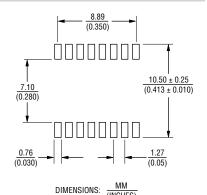
Product Dimensions





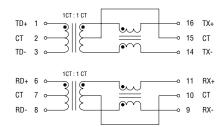


Recommended Layout

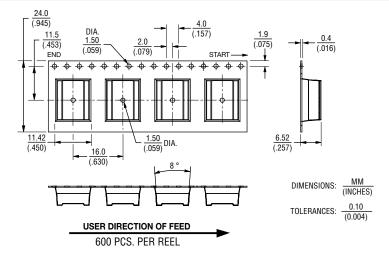


TOLERANCES: $\frac{0.05}{(0.002)}$ UNLESS OTHERWISE NOTED

Electrical Schematic



Packaging Specifications





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

REV. 08/19

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