

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 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	
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
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Packaging Specifications

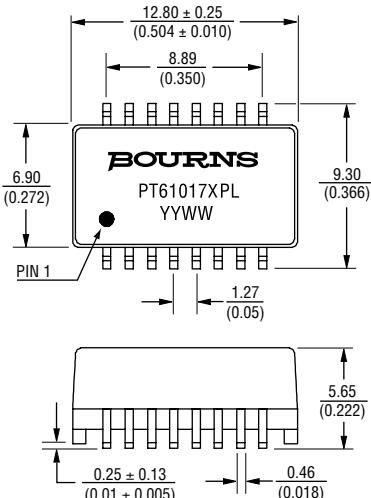
Tape & Reel	600 pcs./reel
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How To Order

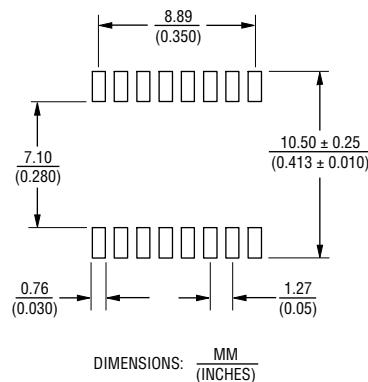
PT61017 X P E L

Model	_____
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



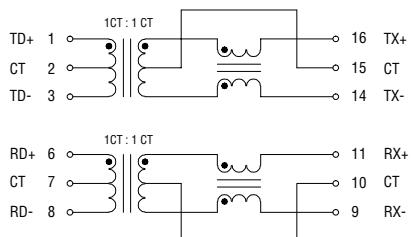
Recommended Layout



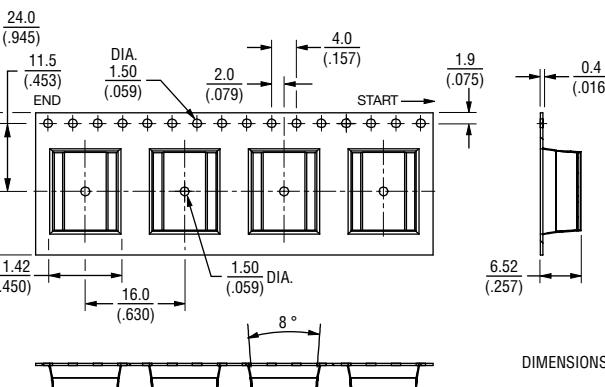
DIMENSIONS: MM
(INCHES)

TOLERANCES: 0.05
(0.002) UNLESS OTHERWISE NOTED

Electrical Schematic



Packaging Specifications



DIMENSIONS: MM
(INCHES)

TOLERANCES: 0.10
(0.004)

USER DIRECTION OF FEED

600 PCS. PER REEL



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.

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