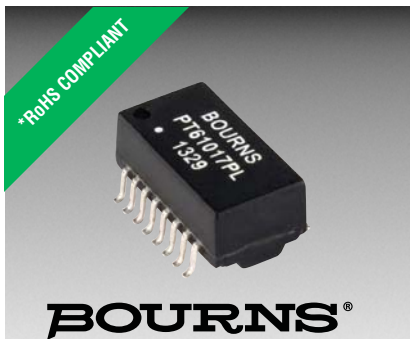




Features

- IEEE 802.3af 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 ± 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 Temperature	0 °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

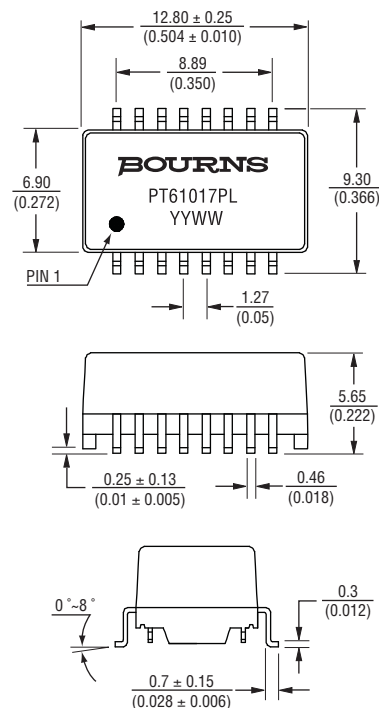
Packaging _____

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

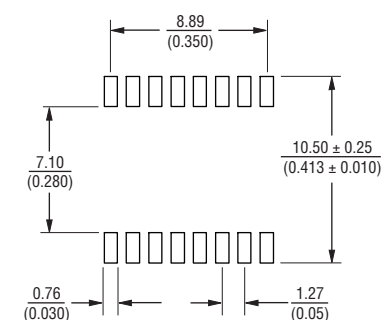
Termination _____

L = Tin only (RoHS Compliant)

Product Dimensions



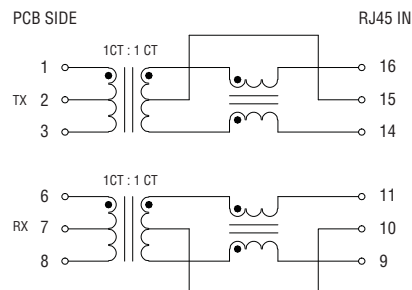
Recommended Layout



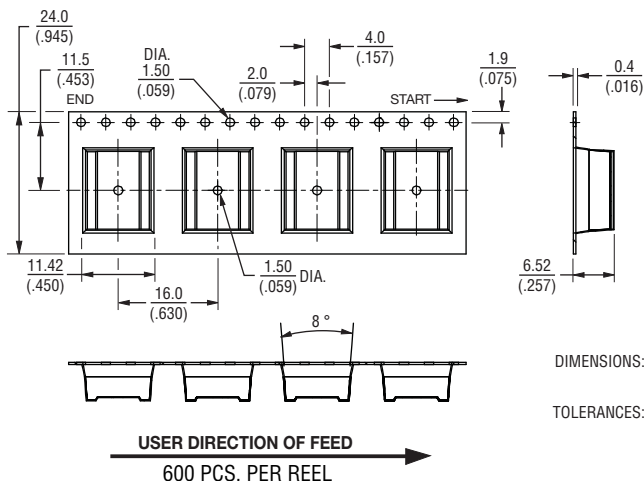
DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

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

Electrical Schematic



Packaging Specifications



DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

TOLERANCES: $\frac{0.10}{(0.004)}$

REV. 03/15

*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.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.