

## Excellent Integrated System Limited

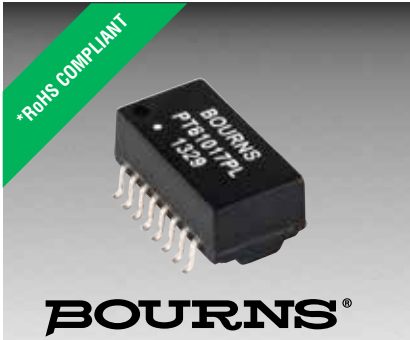
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Bourns Inc.](#)  
[PT61017PEL](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



### 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 ± 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  
 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

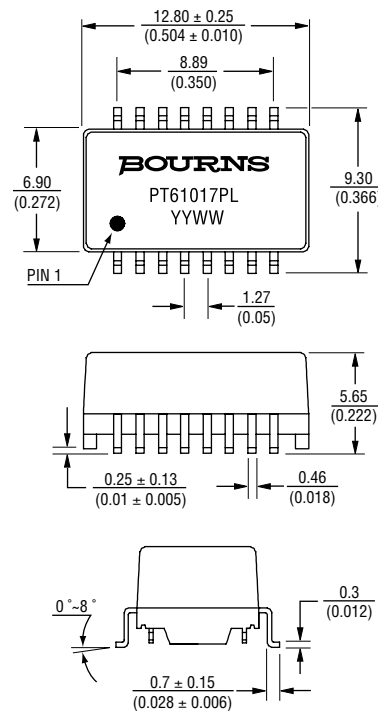
Tape & Reel ..... 600 pcs./reel

### How To Order

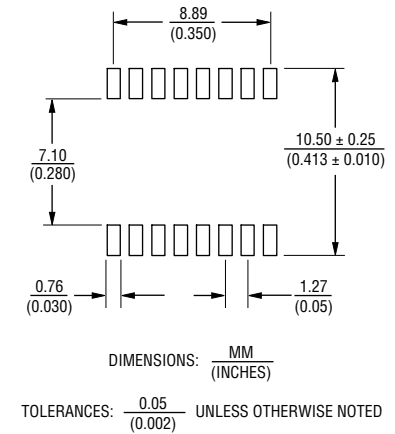
**PT61017 P E L**

Model \_\_\_\_\_  
 Construction \_\_\_\_\_  
 P = Potted  
 Packaging \_\_\_\_\_  
 E = Tape and Reel (600 pcs./reel)  
 Termination \_\_\_\_\_  
 L = Tin only (RoHS Compliant)

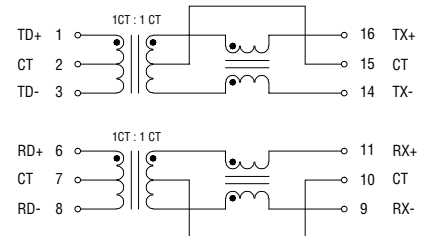
### Product Dimensions



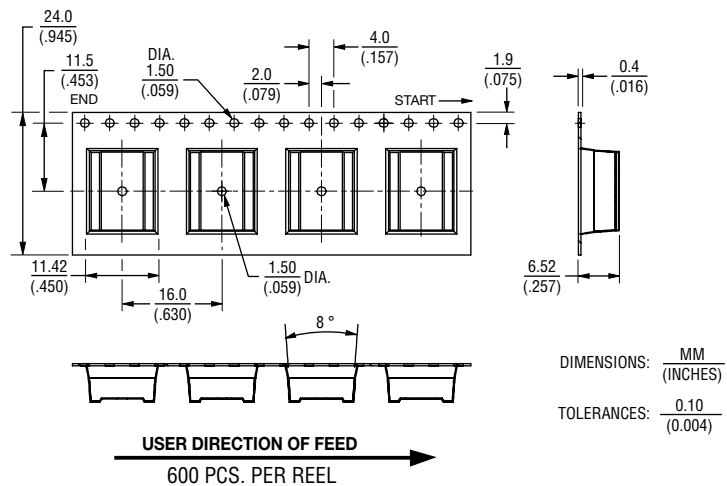
### Recommended Layout



### Electrical Schematic



### Packaging Specifications



REV. 02/16

\*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.