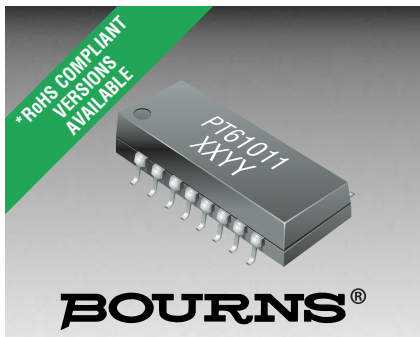




## Features

- IEEE 802.3 Ethernet compatible
- Dual channel 16-pin SMD
- Lead free versions available (see How to Order)
- Lead free versions are RoHS compliant\*

## Applications

- Ethernet

# PT61011 - LAN 10/100 Base-Tx

## Electrical Specifications @ 25 °C

Inductance - Open Circuit ....350  $\mu$ H min.  
 (100 KHz, 0.2 V with 8 mA DC bias)  
 Turns Ratio ( $\pm 2\%$ )  
 .....TX 1CT : 1CT; RX 1CT : 1 CT  
 Leakage Inductance .....0.5  $\mu$ H max.  
 DCR .....0.9 ohms max.  
 Insertion Loss  
 0.1 - 100 MHz .....-1.0 dB max.  
 Return Loss (@ 100 ohms)  
 0.1 - 30 MHz .....-18 dB min.  
 30 - 60 MHz .....-14 dB min.  
 60 - 80 MHz .....-11 dB min.  
 Cross Talk  
 0.1 - 100 MHz .....-35 dB min.  
 Common Mode Rejection Ratio  
 1 - 100 MHz .....-40 dB typ.  
 Cww .....25 pF max.  
 Isolation .....1500 VAC  
 Operating Temperature ....0 °C to +70 °C

\*CT: Center tap

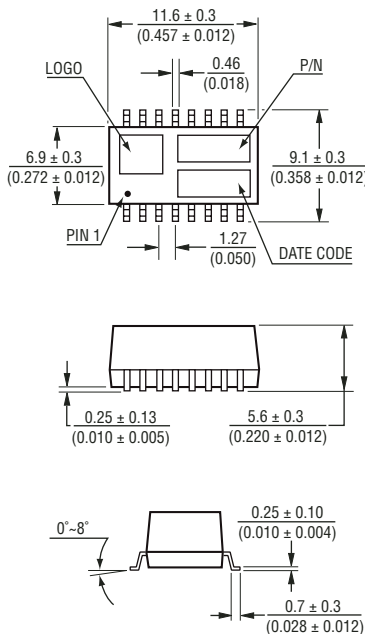
## Packaging Specifications

Tube .....18 pcs./tube  
 Reel.....750 pcs./reel

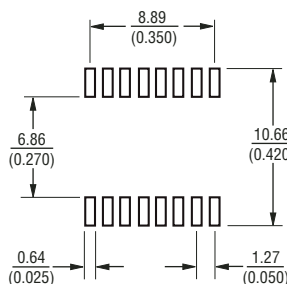
## How to Order

Model **PT61011**  
 Packaging  
 Blank = 18 pcs./tube  
 E = 750 pcs./reel  
 Termination Coating  
 Blank = Tin-lead  
 L = 100 % Tin (lead free)

## Product Dimensions

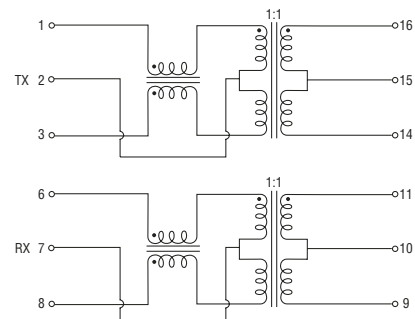


## Recommended Layout



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

## Electrical Schematic



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REV. 04/06

\*RoHS Directive 2002/95/EC Jan 27 2003 including Annex  
 Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications.

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