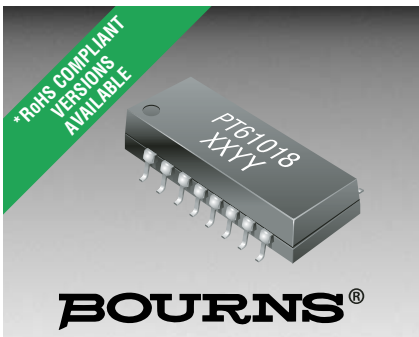




Features

- 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

PT61018 - LAN 10/100 Base-Tx

Electrical Specifications @ 25 °C

Inductance - Open Circuit350 μ H min.
 (100 KHz, 0.2 V with 8 mA DC bias)
 Turns Ratio (± 2 %)
TX 1CT : 1CT; RX 1CT : 1 CT
 Leakage Inductance0.5 μ H max.
 DCR0.9 ohms max.
 Insertion Loss
 0.3 - 100 MHz-1.1 dB max.
 Return Loss (@ 100 ohms)
 0.3 - 30 MHz-18 dB min.
 40 MHz-16 dB min.
 50 MHz-14.5 dB min.
 60 - 80 MHz-12 dB min.
 Cross Talk
 0.3 - 60 MHz-42 dB min.
 60 - 100 MHz-35 dB min.
 Common Mode Rejection Ratio
 0.3 - 30 MHz-40 dB typ.
 60 MHz-35 dB typ.
 80 - 100 MHz.....-30 dB typ.
 Cww20 pF max.
 Isolation1500 VAC
 Operating Temperature...-40 °C to +85 °C

*CT: Center tap

Packaging Specifications

Tube18 pcs./tube
 Reel.....750 pcs./reel

How to Order

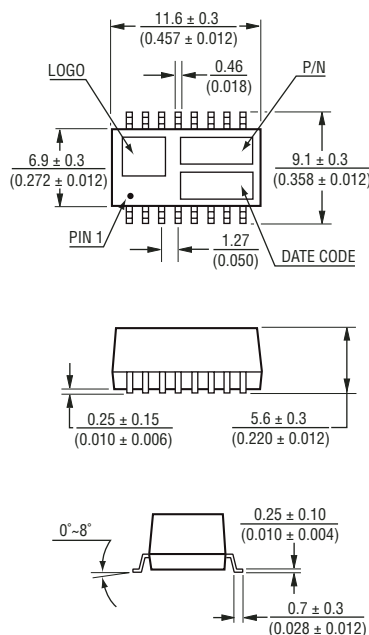
PT61018

Model _____

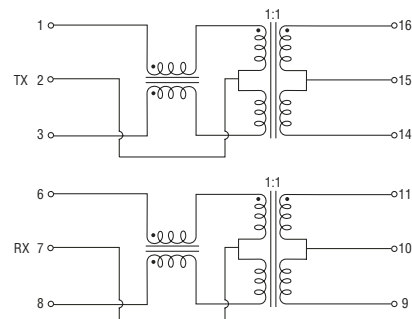
Packaging _____
 Blank = 18 pcs./tube
 E = 750 pcs./reel

Termination Coating _____
 Blank = Tin-lead
 L = 100 % Tin (lead free)

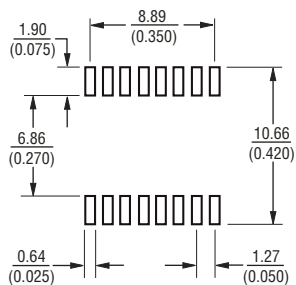
Product Dimensions



Electrical Schematic



Recommended Layout



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



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