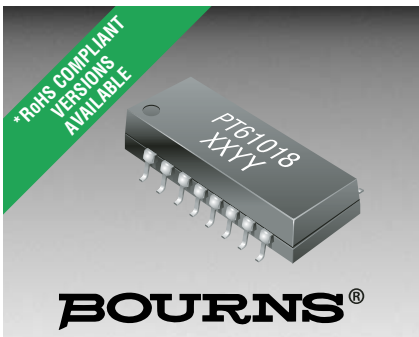




Features

- 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

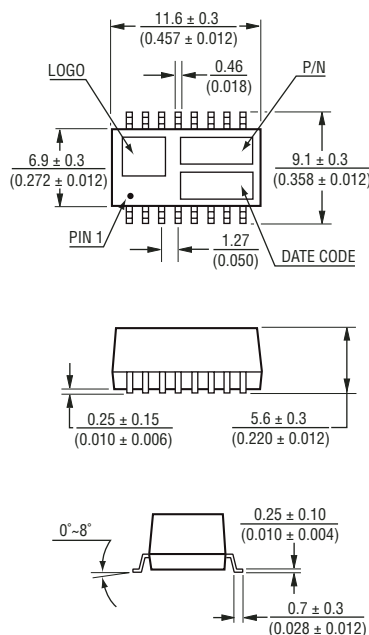
PT61018

Model _____

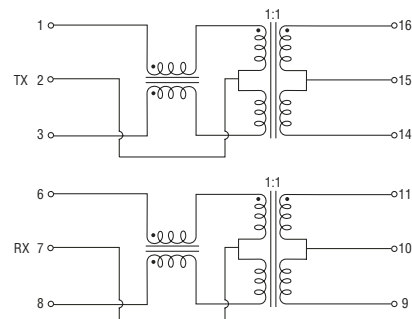
Packaging _____
Blank = 18 pcs./tube
E = 750 pcs./reel

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

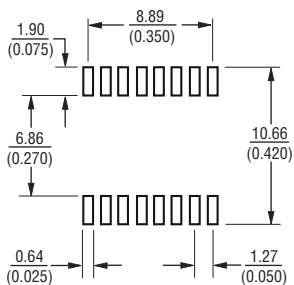
Product Dimensions



Electrical Schematic



Recommended Layout



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



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