**Features**

- IEEE 802.3 Ethernet compatible
- Dual channel 16-pin SMD
- RoHS compliant* 

**Applications**

- Ethernet

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**Electrical Specifications @ 25 °C**

- Inductance - Open Circuit: 350 µH min. (100 KHz, 0.2 V with 8 mA DC bias)
- Turns Ratio (±2 %): TX 1CT : 1CT; RX 1CT : 1 CT
- Leakage Inductance: 0.5 µH max.
- DCR: 0.9 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.
- Cww: 20 pF typ.
- Isolation: 1500 VAC

**Operating Temperature**: -40 °C to +85 °C

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**Product Dimensions**

- **Dimensions:** MM (INCHES)
- **Recommended Layout**
- **How To Order**
  - Model: PT61018E
  - Termination: L = Tin only (RoHS Compliant)

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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.