Features

- Compliant with IEEE802.3ab Draft Standards for 1000 Base-T
- Designed for Long Haul Gigabit Ethernet 10/100/1000 Base-T Full Duplex applications
- Low profile surface mount packaging designed for reflow process (225 ° peak)
- Supports 4 pairs of Category 5 UTP cables
- RoHS compliant*

Electrical Specifications @ 25 °C

Inductance........................... 350 µH min. with 8 mA DC bias @ 100 KHz, 0.2 V
Leakage Inductance.............. 0.50 µH max. @ 100 KHz, 0.2 V
Interwinding Capacitance...... 25 pF typ. @ 100 KHz, 0.2 V
DC Resistance.................... 0.90 Ω max. Insertion Loss.................... 0.3-100 MHz -1.1 dB max.
Return Loss (dB min.)
0.3-30 MHz............................ -18
40 MHz................................... -14.4
50 MHz................................... -13.1
60-80 MHz.............................. -12
Cross Talk (dB min.)
0.3-30 MHz............................ -35
60-100 MHz............................ -28
Common Mode Rejection (dB min.)
0.3-30 MHz............................ -40
60 MHz................................. -35
80-100 MHz............................ -30
Turns Ratio........................... 1 CT:1±5 %
Isolation Hi-Pot................... 1500 VAC 1 mA 1 sec.
Operating Temperature
......................................0° C to +70 °C

Available in extended temperature version (-40 °C to +85 °C). See PT61020L.

Packaging Specifications

Tape & Reel.............................. 350 pcs./reel

How To Order

PT61024 P E L
Model
Configuration
P = Potted Type
Packaging
E = Tape & Reel
Termination
L = Tin only (RoHS Compliant)

Electrical Schematic

Product Dimensions

Recommended Layout

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.