Features

- IEEE 802.3 Ethernet compatible
- Dual channel 16-pin SMD
- Wide operating temperature range: -40 to +85 °C
- RoHS compliant*

Applications

- Ethernet

**Features**

- IEEE 802.3 Ethernet compatible
- Dual channel 16-pin SMD
- Wide operating temperature range: -40 to +85 °C
- RoHS compliant*

**Applications**

- Ethernet

---

**Electrical Specifications @ 25 °C**

- Inductance - OCL: 350 µH min. @ 100 KHz, 0.1 Vrms, 8 mA DC Bias
- Turns Ratio (± 5%): 1CT*:1CT*
- DCR: 1.2 Ω max.
- Insertion Loss: 1-100 MHz: -1.15 dB max.
- Return Loss: 1-30 MHz: -18 dB min.
- 30-60 MHz: -13 dB min.
- 60-80 MHz: -12 dB min.
- Common Mode Rejection: 1-60 MHz: -37 dB Min.
- 60-100 MHz: -28 dB Min.
- Crosstalk: 1-60 MHz: -40 dB Min.
- 60-100 MHz: -35 dB Min.
- Hipot: @ 1 mA, 2 sec. 1.5K Vrms
- Operating Temperature: -40 to +85 °C
- Storage Temperature: -40 to +85 °C

*CT: Center tap

**Material**

- Termination: Tin

**Packaging Specifications**

- Tape & Reel: 600 pcs./reel

**How To Order**

- **Model**: PT61018 P E L
- **Construction**: P = Potted
- **Packaging**: E = Tape and Reel (600 pcs./reel)
- **Termination**: L = Tin only (RoHS Compliant)

---

**Recommended Layout**

**Electrical Schematic**

**Packaging Specifications**

**How To Order**

---

**Asia-Pacific:**
Tel: +886-2 2562-4117
Fax: +886-2 2562-4116

**EMEA:**
Tel: +36 88 520 390
Fax: +36 88 520 211

**The Americas:**
Tel: +1-951 781-5500
Fax: +1-951 781-5700

www.bourns.com

---

05/14

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. 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.