

Features

- Dual surface mount packaging
- HIPOT 500 Vrms
- Operating temperature -40 °C to +85 °C
- RoHS compliant*



This model is currently available, but not recommended for new designs.

Applications

- Telecom

PT75161EL - T1/E1 Transformer

Electrical Specifications @ 25 °C

Turns Ratio $\pm 3\%$	
(1-3):(12-11):(11-10).....	1:2:2
(4-6):(9-8):(8-7).....	1:2:2
OCL (1-3) @ 1 kHz, 0.1 Vrms	
.....	10 mH min.
OCL (4-6) @ 1 kHz, 0.1 Vrms	
.....	10 mH min.
Le (1-3) @ 100 kHz, 0.1 Vrms,	
Short (pin 12-10).....	5 μ H max.
Le (4-6) @ 100 kHz, 0.1 Vrms,	
Short (pin 9-7).....	5 μ H max.
Cww (1,3) to (10,11,12)	
@ 100 kHz, 1 V.....	100 pF max.
Cww (4,6) to (7,8,9)	
@ 100 kHz, 1 V.....	100 pF max.
DCR (1-3) (Ω max.).....	3.5
DCR (4-6) (Ω max.).....	3.5
HIPOT (VAC).....	500
Return Loss (1-3) @ 5 kHz - 1 MHz,	
source (1-3) = 75 ohm,	
load (12-10) = 1.2K ohm.....	18 dB min.
Return Loss (4-6) @ 5 kHz - 300 kHz,	
source (4-6) = 50 ohm,	
load (9-7) = 1.2K ohm.....	18 dB min.
Return Loss (1-3) @ 5 kHz - 300 kHz,	
source (1-3) = 50 ohm,	
load (12-10) = 800 ohm.....	20 dB min.
Return Loss (4-6) @ 5 kHz - 300 kHz,	
source (4-6) = 50 ohm,	
load (9-7) = 800 ohm.....	20 dB min.

Packaging Specifications

Tape and Reel 300 pcs./reel

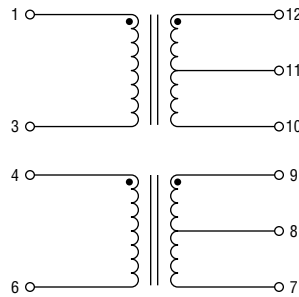
How To Order

Model PT75161E L

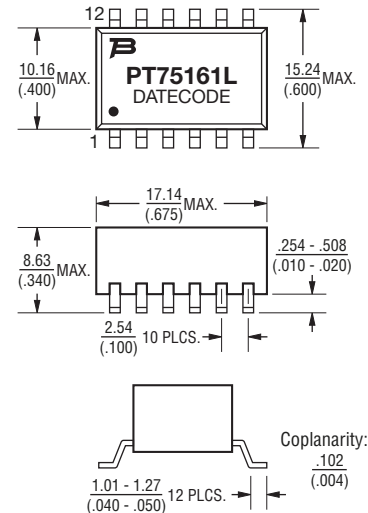
Termination _____

L = Tin only (RoHS Compliant)

Electrical Schematic



Product Dimensions



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

TOLERANCES: $\pm \frac{0.25}{(.010)}$

REV. 01/15



WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

*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. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

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