



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



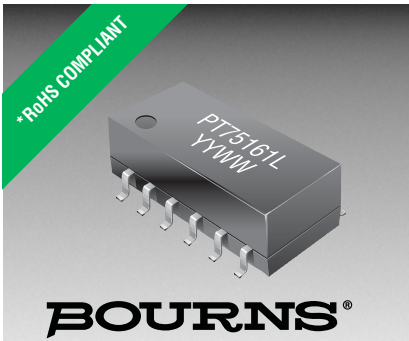
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Features

- 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

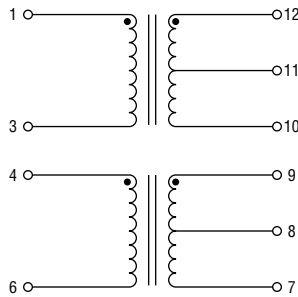
- Telecom

PT75161EL - T1/E1 Transformer

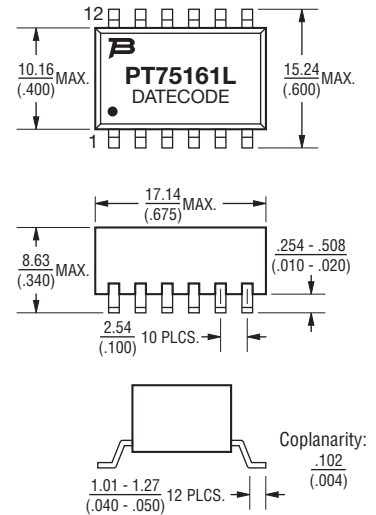
Electrical Specifications @ 25 °C

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.

Electrical Schematic



Product Dimensions



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

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

Packaging Specifications

Tape and Reel 300 pcs./reel

How To Order

Model PT75161E L
 Termination _____
 L = Tin only (RoHS Compliant)

REV. 01/15

*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.