

Features

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

Applications

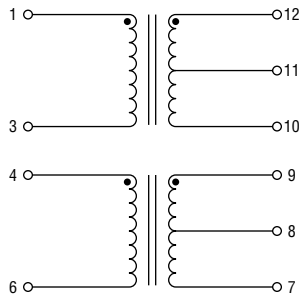
- Telecom

PT75161EL - T1/E1 Transformer

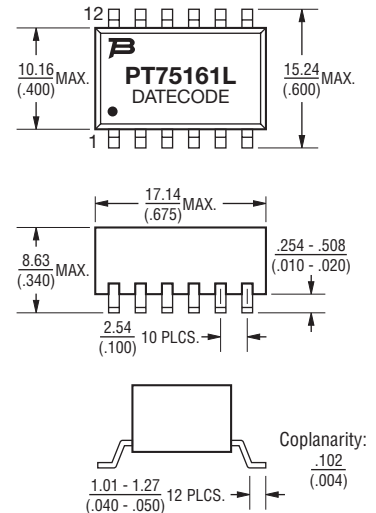
Electrical Specifications @ 25 °C

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. 06/11

*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.