


### Features

- Compact surface mount packaging
- Operating temperature -40 °C to +85 °C
- PE68825 equivalent
- RoHS compliant\*

 This series is  $\text{Sd M/R}_U$  not recommended for new designs.

### Applications

- Telecom

## SM75225L - T1/CEPT/ISDN-PRI Dual Transformers

### Electrical Specifications @ 25 °C

Turns Ratio $\pm 2\%$ (1-2-3):(12-10).....	1.15 CT:1
Turns Ratio $\pm 5\%$ (4-5-6):(9-8-7).....	1 CT:2 CT
Polarity .. 1,2 & 12; 4,5,9 & 8 same phase	
OCL (12-10) @ 10 kHz, 0.01 V	.....1.6 mH min.
OCL (4-6) @ 10 kHz, 0.1 V	.....1.6 mH min.
OCL (12-10) @ 10 kHz, 0.01 V, -40 °C	.....0.6 mH min.
OCL (4-6) @ 10 kHz, 0.01 V, -40 °C	.....0.6 mH min.
Le (12-10) @ 100 kHz, 0.1 V, Short (1-2-3).....	0.8 $\mu$ H max.
Le (4-6) @ 100 kHz, 0.1 V, Short (9-8-7).....	0.8 $\mu$ H max.
C <sub>ww</sub> (1-12) @ 100 kHz, 0.1 V	.....60 pF max.
C <sub>ww</sub> (4-9) @ 100 kHz, 0.1 V	.....50 pF max.
DCR (1-3) ( $\Omega$ max.).....	1.00
DCR (12-10) ( $\Omega$ max.).....	1.00
DCR (4-6) ( $\Omega$ max.).....	1.00
DCR (9-7) ( $\Omega$ max.).....	2.00
HIPOT (VAC).....	1500

\*CT : center tap

### Packaging Specifications

Tape & Reel\*..... 330 pcs./reel

\*"E" suffix before "L" in part number designates tape & reel packaging, e.g. SM75225EL.

### How To Order

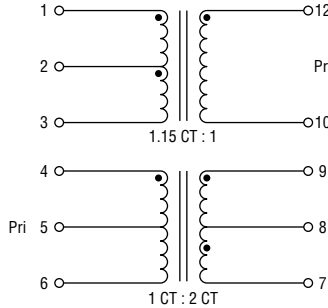
**SM75225E L**

Model \_\_\_\_\_

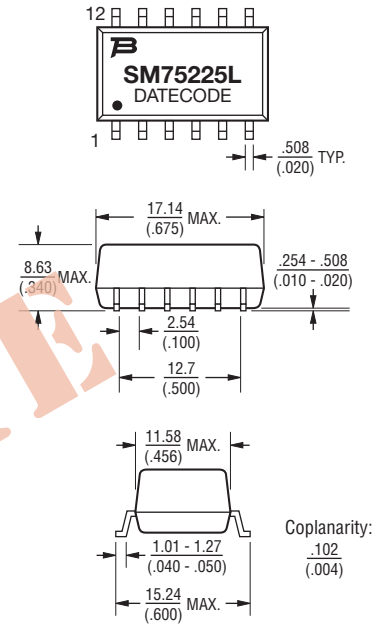
Termination \_\_\_\_\_

L = Tin only (RoHS Compliant)

### Electrical Schematic



### Product Dimensions



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

TOLERANCE:  $\pm \frac{0.25}{(0.010)}$

NOTE: DIMENSIONS ARE EXCLUSIVE OF SOLDER

REV. 05/13

\*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.