

Features

- Compact surface mount packaging
- Operating temperature -40 °C to +85 °C
- PE68825 equivalent
- Lead free version available (see How to Order)
- Lead free versions are RoHS compliant*

Applications

- Telecom

SM75225 - T1/CEPT/ISDN-PRI Dual Transformers

Electrical Specifications @ 25 °C

Turns Ratio ±2 %	(1-2-3):(12-10).....1.15 CT:1
Turns Ratio ±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 µH max.
Le (4-6) @ 100 kHz, 0.1 V,	Short (9-8-7).....0.8 µH max.
C _{ww} (1-12) @ 100 kHz, 0.1 V	.....60 pF max.
C _{ww} (4-9) @ 100 kHz, 0.1 V	.....50 pF max.
DCR (1-3) (Ω max.)	.....1.00
DCR (12-10) (Ω max.)	.....1.00
DCR (4-6) (Ω max.)	.....1.00
DCR (9-7) (Ω max.)	.....2.00
HIPOT (VAC)	.....1500

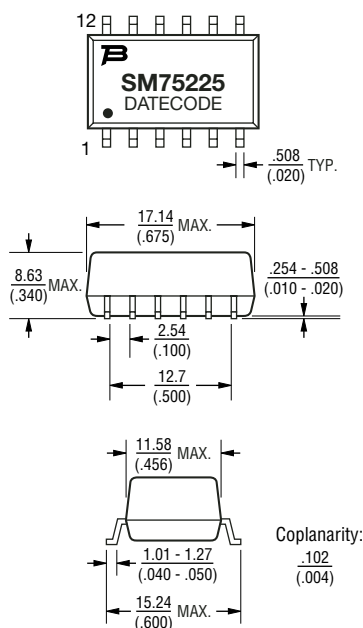
*CT : center tap

Packaging Specifications

Tape & Reel*330 pcs./reel

*"E" suffix at end of part number designates tape & reel packaging, e.g. SM75225E.

Product Dimensions

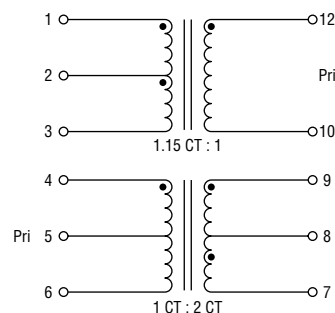


DIMENSIONS ARE: $\frac{\text{MM}}{\text{(INCHES)}}$

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

NOTE: DIMENSIONS ARE EXCLUSIVE OF SOLDER

Electrical Schematic



How to Order

Model **SM75225E**

Termination _____

Blank = Tin-lead
L = Tin only (lead free)