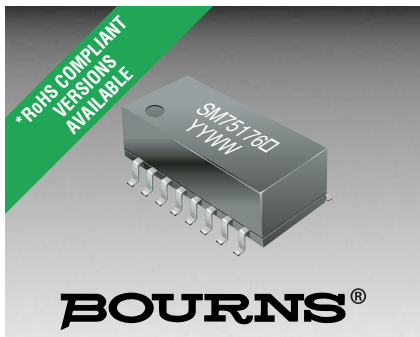




Features

- VALOR ST5116 equivalent
- Surface mount, dual transformer for transmit and receive
- 1500 VAC HIPOT
- Lead free version available (see How to Order)
- Lead free versions are RoHS compliant*

Applications

- Telecom

SM75176 - T1/CEPT/ISDN-PRI Transformer

Electrical Specifications @ 25 °C

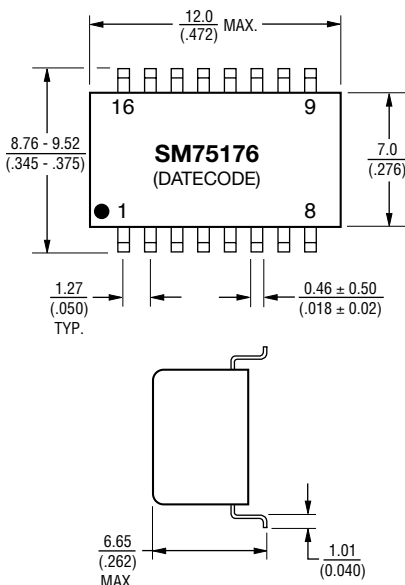
Turns Ratio $\pm 5\%$ (1-2):(2-3):(16-15):(15-14).....	1:1:1:0.26
Turns Ratio $\pm 5\%$ (6-7):(11-10):(10-9):(7-8).....	1:1:1:0.26
Polarity	1,6,11 & 16
OCL (16-14) mH min. @ 10 kHz, 0.01 V	1.5
OCL (6-8) mH min. @ 10 kHz, 0.01 V	1.5
Le (16-14) μ H max. @ 100 kHz, short (1-2-3)	0.5
Le (6-8) μ H max. @ 100 kHz, short (9-10-11)	0.5
C _{ww} (16-15-14) to (1-2-3) pF max. @ 100 kHz	40
C _{ww} (6-7-8) to (9-10-11) pF max. @ 100 kHz	40
DCR (1-3) (Ω max.)	1.1
DCR (11-9) (Ω max.)	1.1
DCR (16-14) (Ω max.)	0.7
DCR (6-8) (Ω max.)	0.7
HIPOT Between Pri. and Sec. Windings (VAC)	1500
Operating Temperature (°C)	0 to +70

Packaging Specifications

Tape & Reel*700 pcs./reel

**“E” suffix at end of part number
designates tape & reel packaging, e.g.
SM75176E.

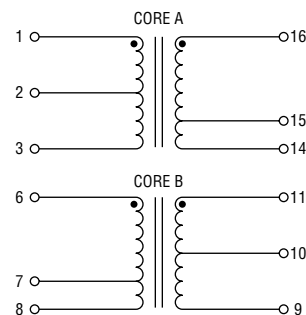
Product Dimensions



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

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

Electrical Schematic



How to Order

SM75176E

Model _____

Termination _____

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