

BOURNS®

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

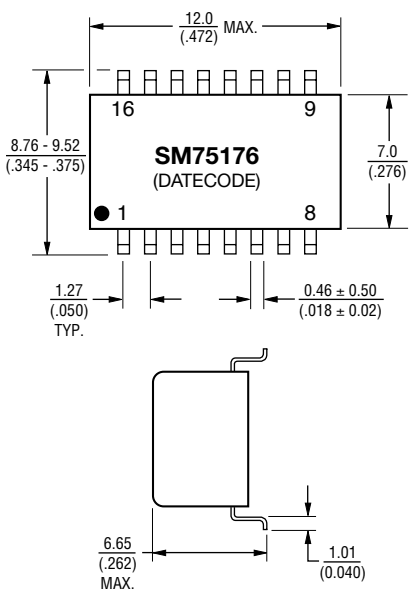
- Telecom

SM75176 - T1/CEPT/ISDN-PRI Transformer

Electrical Specifications @ 25 °C

Turns Ratio ±5 %	(1-2):(2-3):(16-15):(15-14).....1:1:1:0.26
Turns Ratio ±5 %	(6-7):(11-10):(10-9):(7-8).....1:1:1:0.26
Polarity1,6,11 & 16
OCL (16-14)	mH min. @ 10 kHz, 0.01 V1.5
OCL (6-8)	mH min. @ 10 kHz, 0.01 V1.5
Le (16-14)	µH max. @ 100 kHz, short (1-2-3)0.5
Le (6-8)	µH max. @ 100 kHz, short (9-10-11)0.5
C _{ww} (16-15-14) to (1-2-3)	pF max. @ 100 kHz40
C _{ww} (6-7-8) to (9-10-11)	pF max. @ 100 kHz40
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

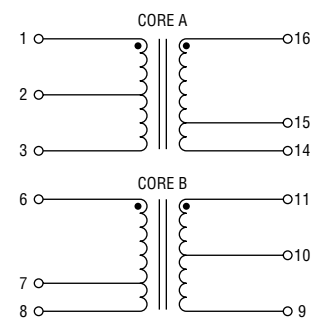
Product Dimensions



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

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

Electrical Schematic



How to Order

Model SM75176E

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

Packaging Specifications

Tape & Reel*700 pcs./reel

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