

Features

- VALOR ST5116 equivalent
- Surface mount, dual transformer for transmit and receive
- 1500 VAC HIPOT
- RoHS compliant*



This series is obsolete and not recommended for new designs.

Applications

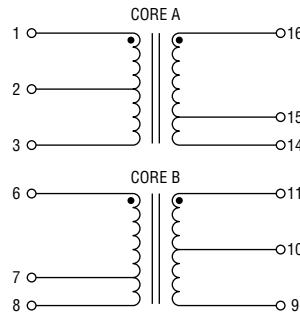
- Telecom

SM75176L - T1/CEPT/ISDN-PRI Transformer

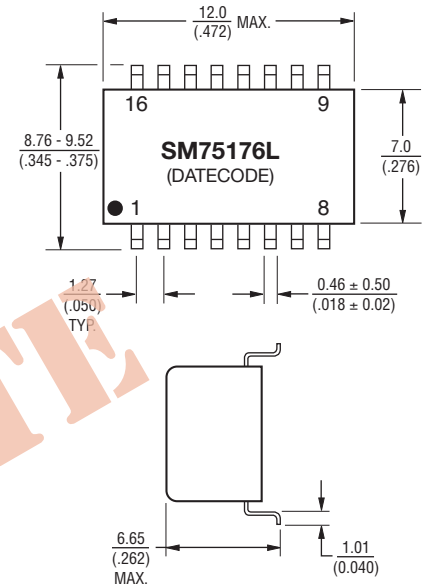
Electrical Specifications @ 25 °C

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
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)	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 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

Electrical Schematic



Product Dimensions



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

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

Packaging Specifications

Tape & Reel* 700 pcs./reel

**"E" suffix before "L" in part number designates tape & reel packaging, e.g. SM75176EL.

How To Order

SM75176E L

Model _____
 Termination _____
 L = Tin only (RoHS Compliant)

REV. 11/14

*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.