

Features

- Compact surface mount packaging
- 1500 VAC HIPOT
- Dual transformer for transmit and receive
- RoHS compliant*



This series is not recommended for new designs.

Applications

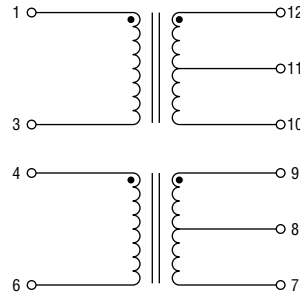
- Telecom

SM75719L - T1/CEPT/ISDN-PRI Transformer

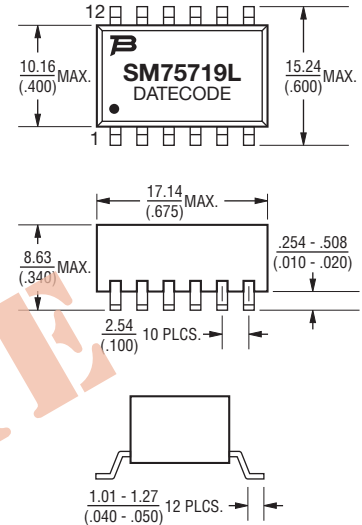
Electrical Specifications @ 25 °C

Turns Ratio $\pm 2\%$ (1-3):(12-10).....	2CT:1
Turns Ratio $\pm 2\%$ (11-12):(1-3).....	0.395:1
Turns Ratio $\pm 2\%$ (9-7):(4-6).....	2CT:1
Turns Ratio $\pm 2\%$ (9-8):(4-6).....	1.58:1
Polarity (Same Phase)	1, 12 & 11; 4, 9 & 8
OCL (10-12) mH min. @ 10 kHz, 0.1 V.....	1.2
OCL (9-7) mH min. @ 10 kHz, 0.1 V.....	1.2
Le (10-12) μ H max. @ 100 kHz, 0.02 V short (1-3).....	0.6
Le (9-7) μ H max. @ 100 kHz, 0.02 V short (4-6).....	0.8
Cww (1-3) to (12-10) pF max. @ 100 kHz, 0.02 V.....	40
Cww (4-6) to (9-7) pF max. @ 100 kHz, 0.02 V.....	40
DCR (10-12) (Ω max.).....	0.80
DCR (9-7) (Ω max.).....	0.80
DCR (1-3) (Ω max.).....	1.30
DCR (4-6) (Ω max.).....	0.60
HIPOT Between Pri. and Sec. Windings (VAC).....	1500
Return Loss dB typ. @ 100 KHz - 3.2 MHz.....	20
Operating Temperature ($^{\circ}$ C).....	0 to +70

Electrical Schematic



Product Dimensions



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

TOLERANCE: $\pm \frac{0.254}{(0.010)}$

NOTE: DIMENSIONS ARE EXCLUSIVE OF SOLDER

Packaging Specifications

Tape & Reel*..... 900 pcs./reel

**"E" suffix before "L" in part number designates tape & reel packaging, e.g. SM75719EL.

How To Order

SM75719E L

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

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.