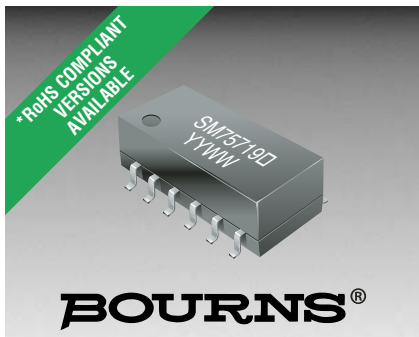




Features

- Compact surface mount packaging
- 1500 VAC HIPOT
- Dual transformer for transmit and receive
- Lead free version available (see How to Order)
- Lead free versions are RoHS compliant*

Applications

- Telecom

SM75719 - T1/CEPT/ISDN-PRI Transformer

Electrical Specifications @ 25 °C

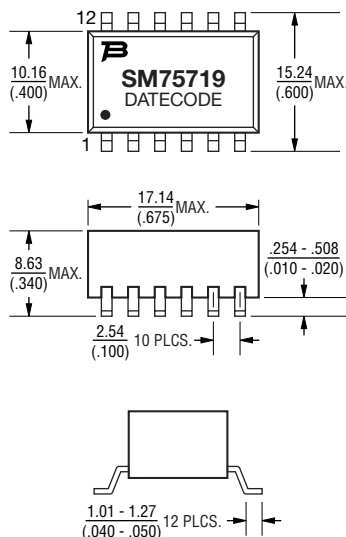
Turns Ratio $\pm 2\%$	
(1-3):(12-10)	2CT:1
Turns Ratio $\pm 2\%$	
(11-12):(1-3)	0.395:1
Turns Ratio $\pm 2\%$	
(9-7):(4-6)	2CT:1
Turns Ratio $\pm 2\%$	
(9-8):(4-6)	1.58:1
Polarity (Same Phase) ..	1,12 & 11; 4,9 & 8
OCL (10-12)	
mH min. @ 10 kHz, 0.1 V	1.2
OCL (9-7)	
mH min. @ 10 kHz, 0.1 V	1.2
Le (10-12)	
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 (°C)	0 to +70

Packaging Specifications

Tape & Reel*900 pcs./reel

*"E" suffix at end of part number
designates tape & reel packaging, e.g.
SM75719E.

Product Dimensions

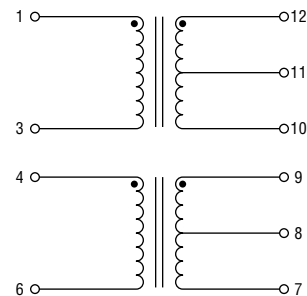


DIMENSIONS ARE: $\frac{\text{MM}}{(\text{INCHES})}$

TOLERANCE: $\pm \frac{0.254}{(.010)}$

NOTE: DIMENSIONS ARE EXCLUSIVE OF SOLDER

Electrical Schematic



How to Order

Model **SM75719E**

Termination _____

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