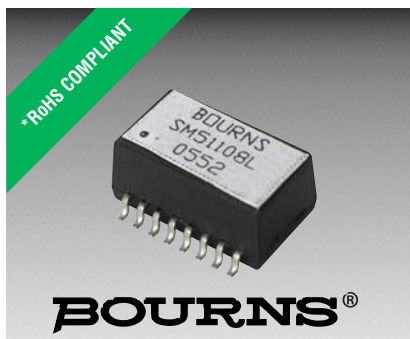




Features

- RoHS compliant*
- IEEE802.3af/ANSI X3.263



Model SM51108EL is currently available but not recommended for new designs. Model SM51108PEL is the preferred alternative.

Applications

- VoIP
- PoE

SM51108L 10/100 Base Tx VoIP Modules (Power over Ethernet - PoE)

Electrical Specifications

Inductance - Open Circuit 350 μ H min.
 (100 KHz, 0.1 V with 8 mA DC bias)
 Turns Ratio 1CT: 1CT
 Insertion Loss
 1-100 MHz, -1.2 dB max.
 Return Loss (@ 100 ohms)
 1-30 MHz.....-16 dB min.
 40 MHz.....-14 dB min.
 50 MHz.....-13 dB min.
 60-80 MHz.....-12 dB min.
 Cross Talk
 60 MHz.....-40 dB min.
 100 MHz.....-35 dB min.
 DCMRR
 30 MHz.....-43 dB min.
 60 MHz.....-37 dB min.
 100 MHz.....-33 dB min.
 PoE Current..... Up to 320 mA DC
 Isolation 1500 VAC
 Operating Temperature
 -40 °C to +85 °C

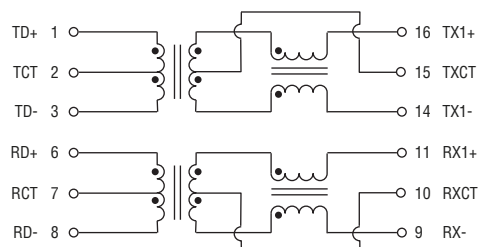
Packaging Specifications

..... 700 pcs. /reel

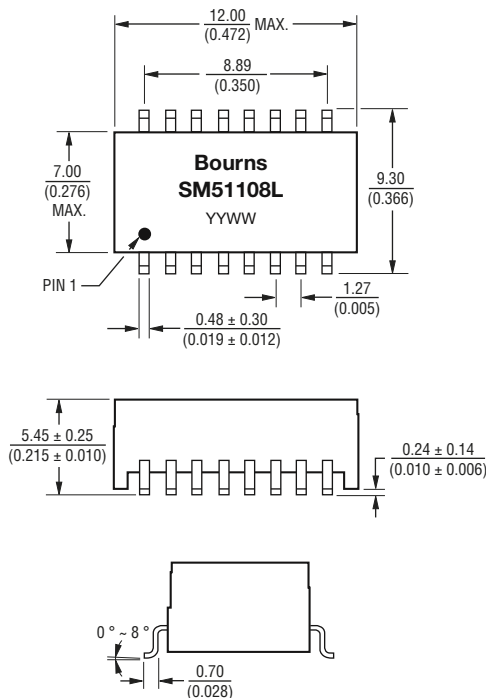
How To Order

Model SM51108E L
 Termination _____
 L = Tin only (RoHS Compliant)

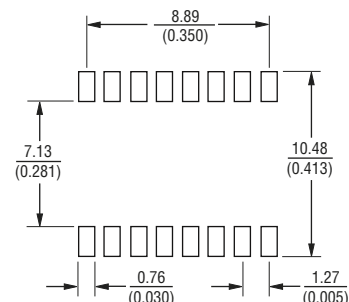
Electrical Schematic



Product Dimensions



Recommended Layout



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

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www.bourns.com



WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

REV. 12/14

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
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