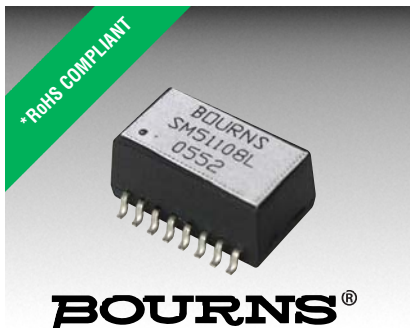




## Features

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

## Applications

- VoIP
- PoE

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

### Electrical Specifications

Inductance - Open Circuit .... 350  $\mu$ 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

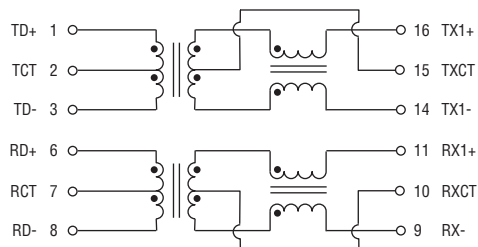
### Packaging Specifications

..... 700 pcs. /reel

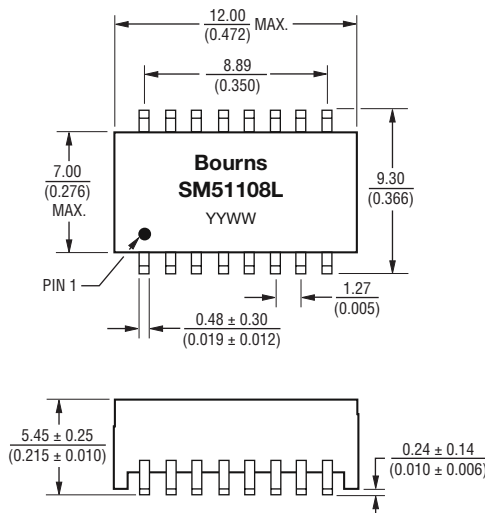
### How To Order

Model SM51108E L  
 Termination \_\_\_\_\_  
 L = Tin only (RoHS Compliant)

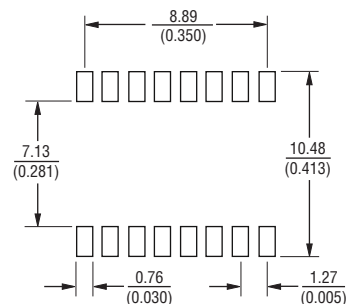
### Electrical Schematic



### Product Dimensions



### Recommended Layout



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