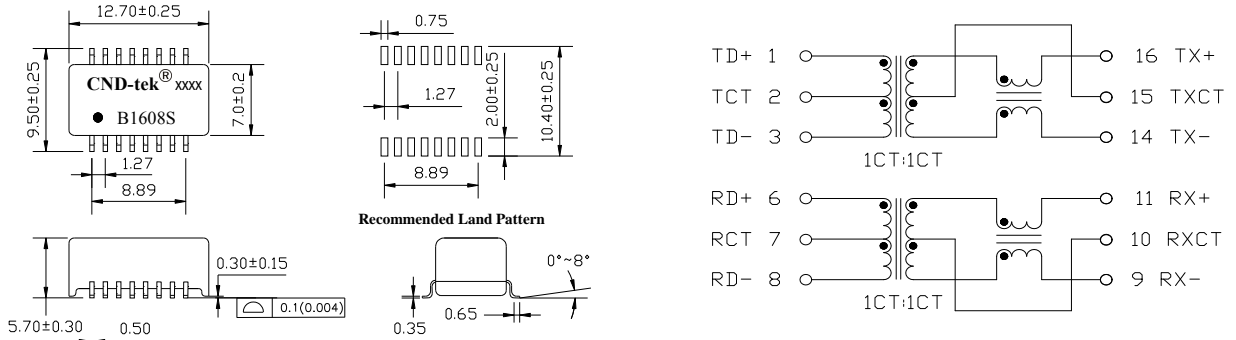


- Compatible with various 10/100 Base-TX transceiver requiring 1:1 transmit and receive turns ratio
- Compliant with IEEE 802.3af standard including baseline wander compensation specification of  $350\mu\text{H}$  OCL when Biased at 8mA
- Low profile Surface Mount Packaging designed for Hi-Temp Reflow Process
- Single channel interface for 10/100Mbps Ethernet applications with CMC's tuned to Enhance EMC system performance
- Suitable For End-span and Mid-span POE Applications 350mA Current Capadility Per POE Port
- Operating Temperature range:  $-40\text{ }^{\circ}\text{C}$  TO  $+85\text{ }^{\circ}\text{C}$
- Storage temperature range:  $-40\text{ }^{\circ}\text{C}$  TO  $+125\text{ }^{\circ}\text{C}$



## DIMENSIONS & SCHEMATICS



**Note:** 1. Dimension: mm, 2. Unless otherwise specified, tolerances are:  $\pm 0.05\text{mm}$

## TECHNICAL SPECIFICATIONS

OCL :	350 $\mu\text{H}$ Min. @ 100 KHz, 100mV with 8mA DC Bias
Leakage	0.5 $\mu\text{H}$ Max. @ 100KHz, 0.2V
Inductance: Cw/w:	28pF Max. @ 100KHz, 0.2V
DCR:	1.20 $\Omega$ Max.
Turns Ratio( $\pm 5\%$ ):	1CT:1CT(TX), 1CT:1CT(RX)
Polarity:	1-16, 6-11 In-Phase
Insertion Loss:	-1.1 dB Max. @ 1-100MHz
Return Loss:	-16dB Min. @ 1-30MHz -12 dB Min. @ 30-60 MHz -10 dB Min. @ 60-80 MHz
Cross Talk:	-42 dB Min. @ 1-60 MHz -35 dB Min. @ 60-100 MHz
Common Mode Rejection :	-42 dB Min. @ 1-30 MHz -35 dB Min. @ 60 MHz -30 dB Min. @ 80-100 MHz
Isolation HI-POT:	1500Vrms 1mA 1Second

## PACKING SPECIFICATION

