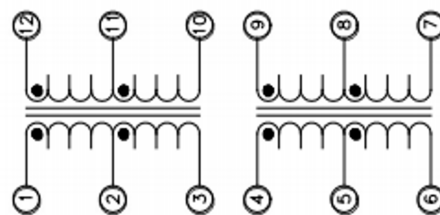
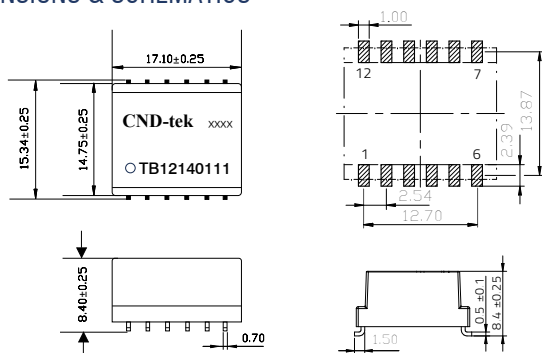


1. Compatible with various 10/100 Base-TX transceiver requiring 1:1 transmit and receive turns ratio
2. Compliant with IEEE 802.3af standard including baseline wander compensation specification of  $350\mu\text{H}$  OCL when Biased at 8mA
3. Low profile Surface Mount Packaging designed for Hi-Temp Reflow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



## DIMENSIONS & SCHEMATICS



All 12 terminals must lie on a plane within .004mm of surface a after lead tinning

## TECHNICAL SPECIFICATIONS

|                            |  |
|----------------------------|--|
| Inductance :               | 350 $\mu\text{H}$ Min. @ 100 KHz, 100mV with 8mA DC Bias Lp(1-3)<br>350 $\mu\text{H}$ Min. @ 100 KHz, 100mV with 8mA DC Bias Lp(4-6) |
| Turns Ratio( $\pm 2\%$ ):  | 1CT:1CT,(1-3):(12-10)<br>1CT:1CT,(4-6):(9-7)   |
| DCR:                       | 0.95 $\Omega$ Max.(1-3,4-6)  |
| Leakage Inductance:        | 0.50uH Max.(1-3,4-6)   |
| Interwinding Capacitance : | 15pF(1-12,4-9)   |
| Isolation HI-POT:          | 4500Vrms 1mA 60Second or 5000Vrms 1mA 3Second  |

## PACKING SPECIFICATION

