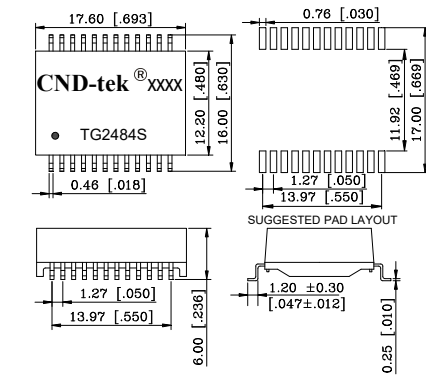


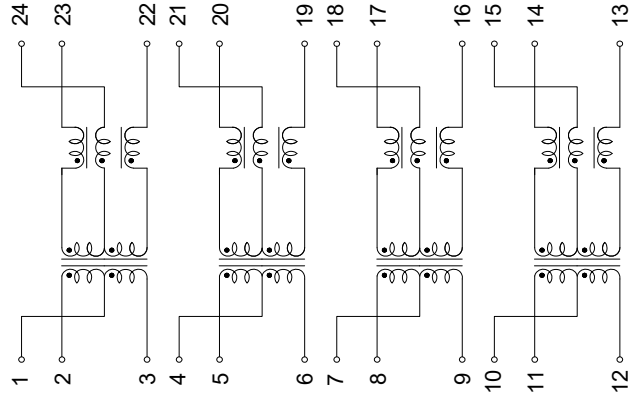
1. Designed for long haul 10G Single Port Transformer Module
2. Supports four pairs of category 5 UTP cable,Cable interface for isolation and low common mode emissions.
3. Low profile Surface Mount Packaging designed for Hi-Temp Reflow Process
4. Compliant with IEEE 802.3an standard for 10G Base-Z,Designed to support 1:1 Turns Ratio Transceivers.



## DIMENSIONS & SCHEMATICS



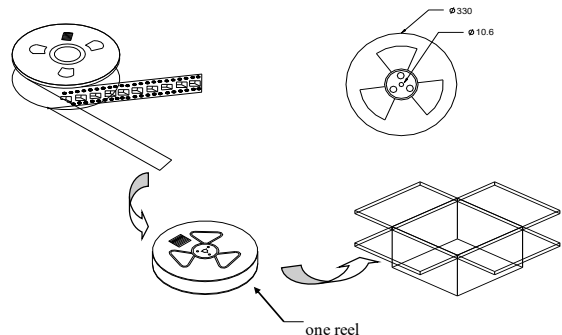
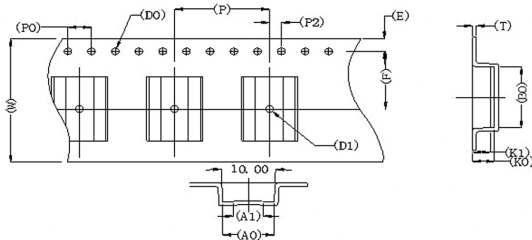
Note: 1. Dimension: mm  
2. Unless otherwise specified,all tolerances are:  $\pm 0.15\text{mm}$



## TECHNICAL SPECIFICATIONS

|                              |                                                            |
|------------------------------|------------------------------------------------------------|
| OCL :                        | 120 $\mu\text{H}$ Min. @ 100 KHz, 100mV with 8mA DC Bias   |
| Leakage Inductance:          | 0.35 $\mu\text{H}$ Max. @ 100KHz, 0.1V                     |
| Cw/w:                        | 35 pF Max. @ 100KHz, 0.1V                                  |
| DCR:                         | 1.00 $\Omega$ Max                                          |
| Turns Ratio( $\pm 5\%$ ):    | 1CT:1(TX), 1CT:1(RX)                                       |
| Polarity:                    | 1-24, 4-21, 7-18, 10-15 In-Phase                           |
| Insertion Loss:              | -1.5 dB Max. @ 1-250MHz<br>-3.0dB Max. @ 250-500MHz        |
| Return Loss:                 | -18 dB Min. @ 1-40MHz<br>-17 + 10log(f/40)dB Min@40-500MHz |
| Cross Talk:                  | -35dB Min.@ 1-100 MHz<br>-30 dB Min.@ 100-500 MHz          |
| Common Mode Rejection :      | -30dB Min@1-250MHz<br>-20dB Min@250-500MHz                 |
| Isolation HI-POT:            | 1500VAC 1mA 2S                                             |
| Operating Temperature range: | -40 $^{\circ}\text{C}$ + 85 $^{\circ}\text{C}$             |
| Storage temperature range:   | -40 $^{\circ}\text{C}$ + 125 $^{\circ}\text{C}$            |

## PACKING SPECIFICATION



1. units/reel:400PCS
2. reel/carton:5PCS
- 3.units/carton :2000PCS