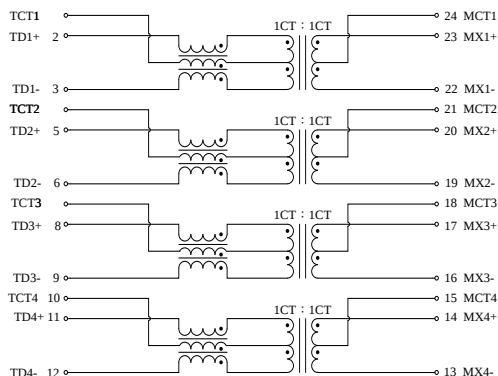
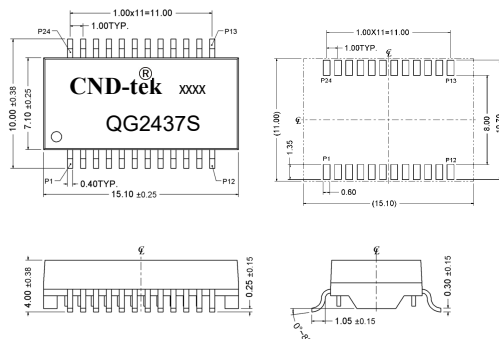


1. Designed for long haul 2.5G Single Port Transformer Module
2. Supports four pairs of category 5 UTP cable, Cable interface for isolation and low common mode emissions.
3. Low profile Surface Mount Packaging designed for Hi-Temp Reflow Process
4. Compliant with IEEE 802.3bz standard for 2.5G Base-Z, Designed to support 1:1 Turns Ratio Transceivers.



## DIMENSIONS & SCHEMATICS

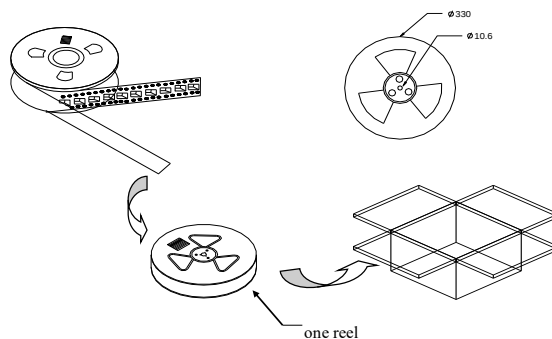
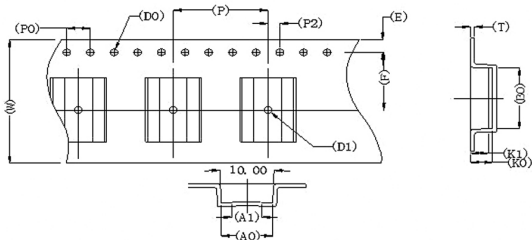


**Note:** 1、Dimension: mm 2、Unless otherwise specified, all tolerances are:  $\pm 0.15\text{mm}$

## TECHNICAL SPECIFICATIONS

|                              |                                                                                |
|------------------------------|--------------------------------------------------------------------------------|
| OCL :                        | 180 $\mu\text{H}$ Min. @ 100 KHz, 100mV with 8mA DC Bias                       |
| Leakage Inductance:          | 0.5 $\mu\text{H}$ Max. @ 100KHz, 0.1V                                          |
| Cw/w:                        | 28 pF Max. @ 100KHz, 0.1V                                                      |
| DCR:                         | 1.00 $\Omega$ Max                                                              |
| Turns Ratio( $\pm 5\%$ ):    | 1CT:1 (TX), 1CT:1 (RX)                                                         |
| Polarity:                    | 2-23, 5-20, 8-17, 11-14 In-Phase                                               |
| Insertion Loss:              | -0.5dB Max. @ 1-50MHz<br>-1.0 dB Min. @ 50-125MHz<br>-2.0 dB Min. @ 125-200MHz |
| Return Loss:                 | -20 dB Min. @ 1-40MHz<br>-20 + 15*Log(f/40) dB Min. @ 40-200 MHz               |
| Cross Talk:                  | -30 dB Min. @ 1-125MHz<br>-25 dB Min. @ 125-200MHz                             |
| Common Mode Rejection :      | -25 dB Min. @ 1-200MHz                                                         |
| Isolation HI-POT:            | 1500Vrms 1mA 1Second                                                           |
| Operating Temperature range: | -40°C ~ +85°C                                                                  |
| Storage temperature range:   | -40°C ~ +125°C                                                                 |

## PACKING SPECIFICATION



1. units/reel: 850PCS
- 2 reel/carton: 5PCS
3. units/carton : 4250PCS