

# TG2498S

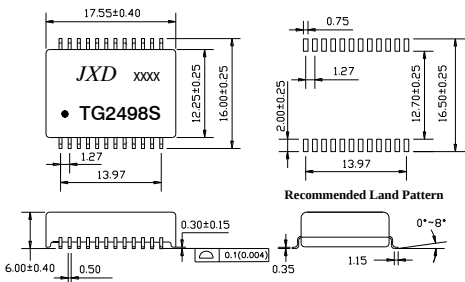
# 10G POE+ Single Port Transformer Module

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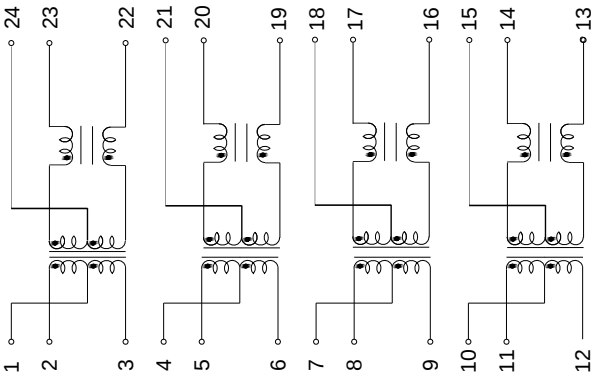
- 1. Designed for long haul 10G POE+ Single Port Transformer Module
- 2. Supports four pairs of category 5 UTP cable,Cable interface for isolation and low common mode emission .
- 3 . Low profile Surface Mount Packaging designed for Hi-Temp Reflow Process
- 4. Compliant with IEEE 802.3an&bt. standard for 10G Base-Z,Designed to support 1:1 Turns Ratio Transceivers.
- 5. DC Line Current : 1100mA Max @ 57V



## DIMENSIONS & SCHEMATICS



- Note:**
- 1. Dimension: mm
  - 2. Unless otherwise specified,all tolerances are: ±0.15mm



## TECHNICAL SPECIFICATIONS

OCL : 120  $\mu$ H Min. @ 100 KHz, 100mV with 8mA DC Bias

Leakage Inductance: 0.50 $\mu$ 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: 2-23, 5-20, 8-17, 11-14 In-Phase

Insertion Loss: -1.0 dB Max. @ 1-100MHz

-1.5dB Max. @ 100-400MHz

Return Loss: -2.0dB Max. @ 500MHz

-18 dB Min. @ 1-40MHz

-19 + 10log(f/40)dB Min@40-500MHz

Cross Talk: -40dB Min.@ 1-100 MHz

-30dB Min.@ 100-500 MHz

Common Mode Rejection : -35dB Min@1-100MHz

-30dB Min@100-300MHz

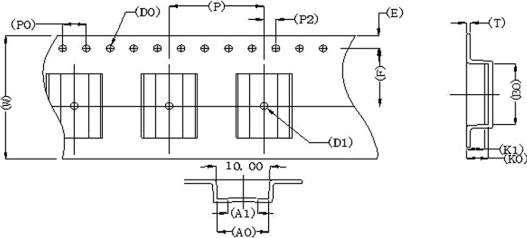
-25dB Min@300-500MHz

Isolation HI-POT: 1500Vrms 2mA 60Second

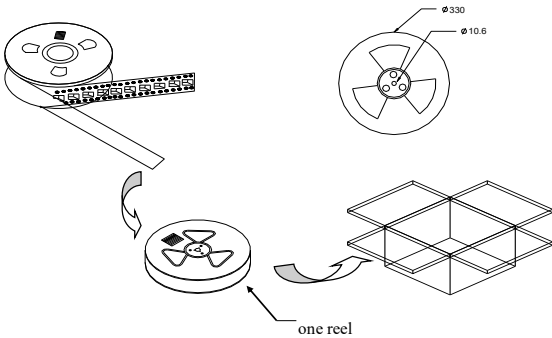
Operating Temperature range: -40  $^{\circ}$ C ~ +85  $^{\circ}$ C

Storage temperature range: -40  $^{\circ}$ C ~ + 125  $^{\circ}$ C

## PACKING SPECIFICATION



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



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