

100/1000 BASE-T Ethernet Isolation Transformer

NO: S48601



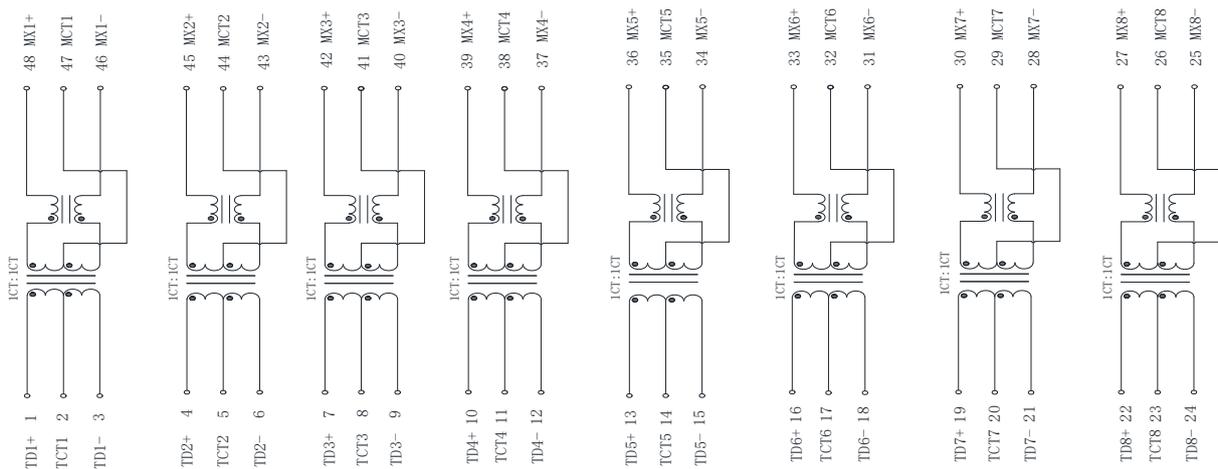
Feature:

- ◆ Compliant with IEEE 802.3 standard including baseline wander
- ◆ Comply with RoHS & Halogen Free requirements.
- ◆ Operating Temperature: 0°C ~ +70°C
- ◆ Storage temperature range: -25°C to + 120°C.

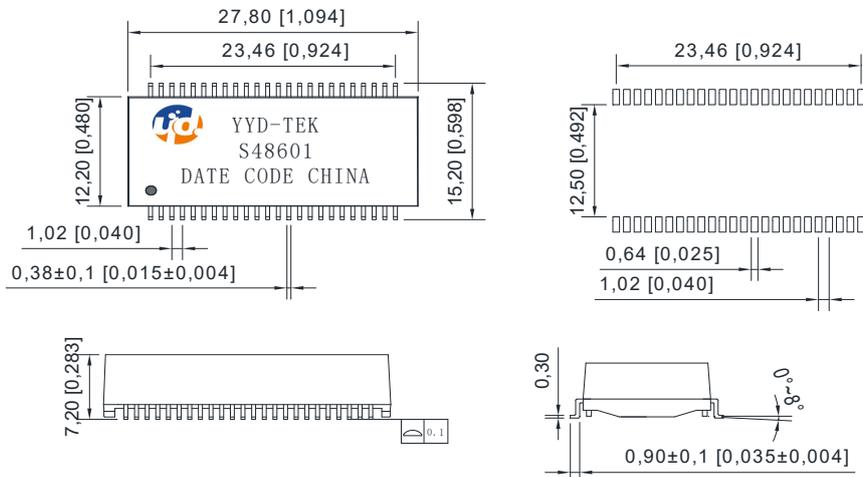
Electrical Specification @25°C

| | | | | |
|------------------------------------|--|--------------|------------|------------|
| Inductance: | 350 uH Min. @ 100 KHz, 100mV 8mA DC Bias | | | |
| Hi-POT : | 1500Vrms 1mA 1Second | | | |
| Turn Ratio: | 1CT:1CT±3% | | | |
| D.C.R | 1.2ohm Max | | | |
| Cw/w: | 35pF Max | | | |
| Insertion Loss: | -1dB Max. @1MHz ~100MHz | | | |
| RETURN LOSS(RL) (Z out=100 OHM) | 1-40MHz | 60 MHz | 80MHz | 100MHz |
| | -16dB Min. | -14.4dB Min. | -12dB Min. | -10dB Min. |
| Cross Talk: | 1MHz-100MHz@-30dB Min. | | | |
| DCMR | 1MHz-100MHz@-30dB Min. | | | |

Schematic:



Mechanical:



Units:mm[Inches] Tolerances:xx. x0 ± 0.25 [0.010]
0. xx ± 0.05 [0.002]