

10G BASE-T BASE-T MAGNETICS MODULES

NO: S24106G



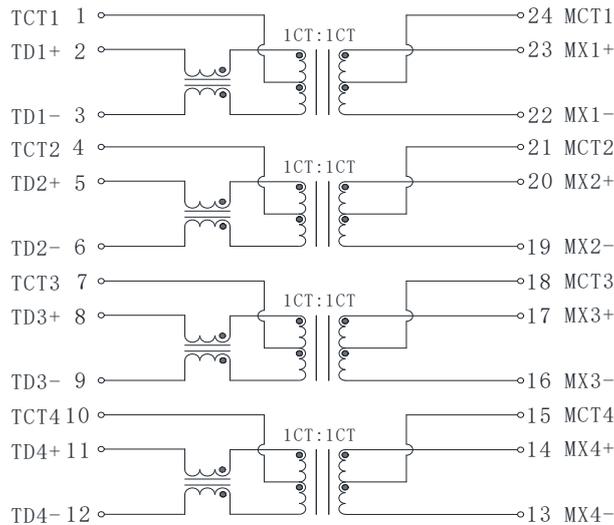
Feature:

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

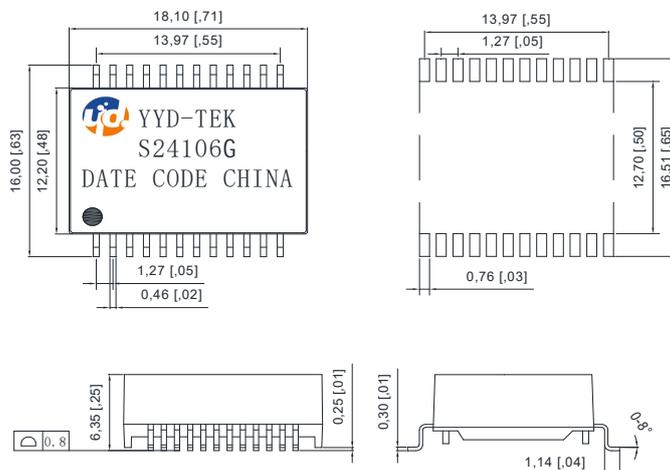
Electrical Specification @25°C

| | | | |
|------------------------------------|--|------------------------|-------------------------|
| OCL | 120uH Min. @100KHz/0.1V with 8mA DC Bias | | |
| leakage | 0.5uH@100 KHz/100mV | | |
| Hi-POT : | 1500Vrms | | |
| D.C.R | 1.2 ohm MAX | | |
| Turn Ratio: | 1CT:1CT±3% | | |
| Cw/w: | 28pF Max@100 KHz/100mV | | |
| Insertion Loss: | -1.5dB Max. @0.1-1MHz | -2.5dB Max. @1 ~400MHz | -3.5dBMax. @400 ~500MHz |
| RETURN LOSS(RL) (Z out=100 OHM) | 1 ~40MHz | | 40-500MHz |
| | -16 dBMin | | -17+10log(f/40) |
| Cross Talk: | -30dB Min.@1-100MHz | -25dBMIN@100-300MHz; | -20dBMIN@300-500MHz; |
| CMRR | -30dB Min.@1-250MHz | | -22dB Min.@250-500MHz |

Schematic:



Mechanical:



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

0.xx±0.05[0.002]