

## 2.5GBASE-T MAGNETICS MODULES

### 2G5YT001

#### Features:

- Compliant with IEEE 802.3 standard
- Qualified with top 2.5Gig PHY Manufacturer
- RoHS peak reflow temperature rating: 245°C
- Operating temperature 0°C to +70°C
- Low profile package for PCI Express
- Minimum interwinding breakdown voltage of 1500Vrms

#### Electrical Specifications @ 25°C

Insertion loss: 1-50 MHz      -0.5 dB MAX  
 50-125 MHz      -1.0 dB MAX

#### Return Loss:

(Z OUT = 100 OHM ± 1% )

1 MHz-40 MHz      -20dB MIN  
 40-200 MHz      -20+15\*LOG<sub>10</sub> ( f/40 ) dB MIN

Crosstalk : 1-125 MHz      -30 dB MIN

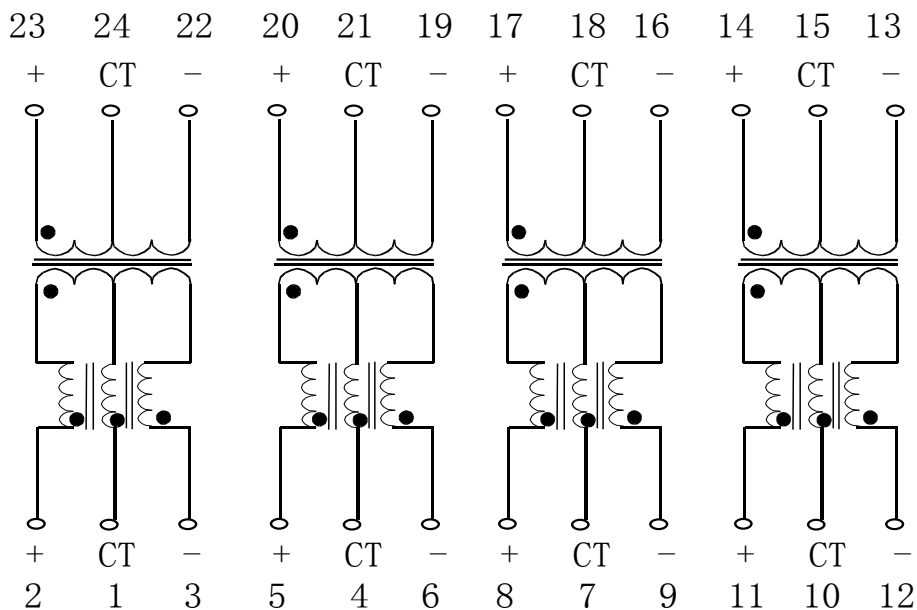
Common mode rejection ratio: 30MHz-200 MHz      -30 dB MIN

#### Common to differential mode rejection(CDMR):

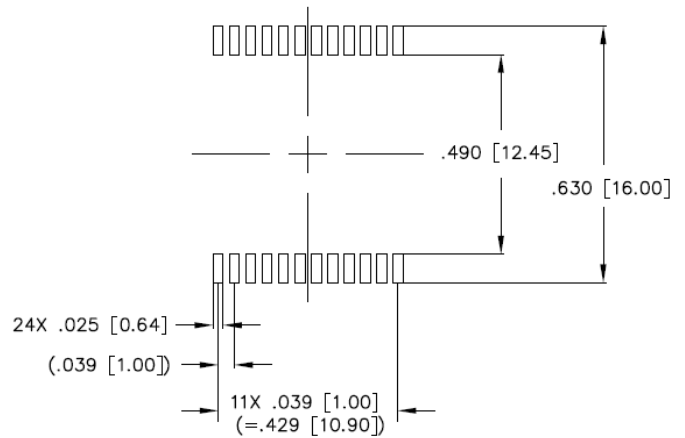
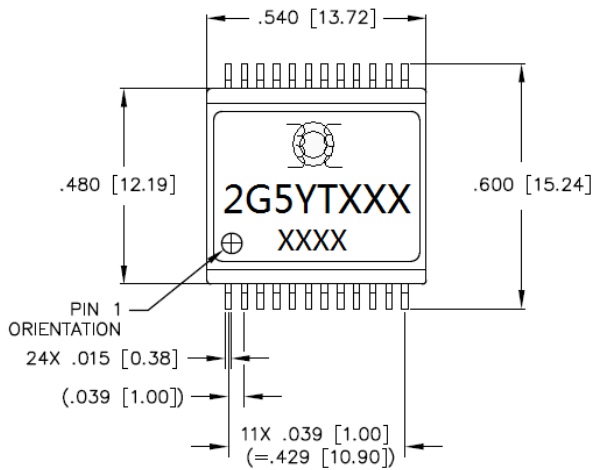
10MHz-125 MHz      -45+ f/35 dB MIN

Note: f is frequency in MH

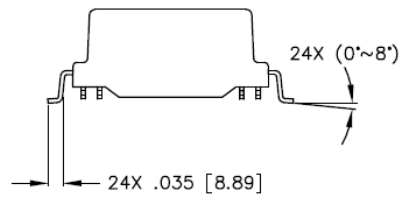
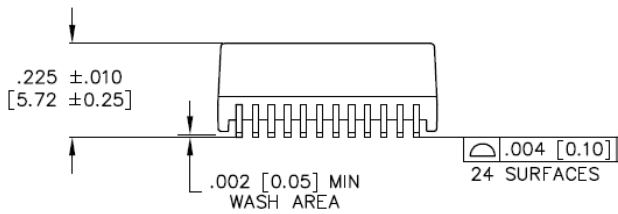
#### Schematics



## Mechanicals



SUGGESTED LAND PATTERN



**NOTE: Dimensions: inches/(mm) unless otherwise specified all tolerances are ±0.010(0.25)**