

## LAN COMPONENTS

1000 Base-T Dual port LAN Transformer Module  
MODEL NO:GT4809SG

## Feature :

Designed for Gigabit Ethernet 100/1000Base-TX,full duplex application.  
Supports 8 pairs of category 5 UTP cable  
For End-span POE 720mA current capability applications

Meets all IEEE802.3 at Standards

Primary inductance(Lp):350 $\mu$ H Min (100KHz ,100mV ,8mA )

SMD Environmental : Designed to meet IR 260 $^{\circ}$ C peak.

Storage Temperature range: -20 $^{\circ}$ C To +85 $^{\circ}$ C

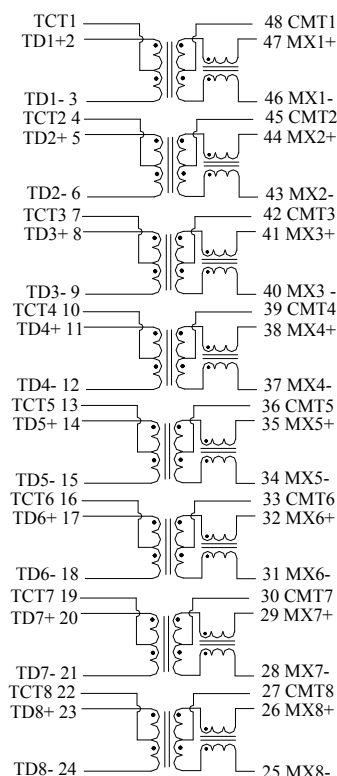
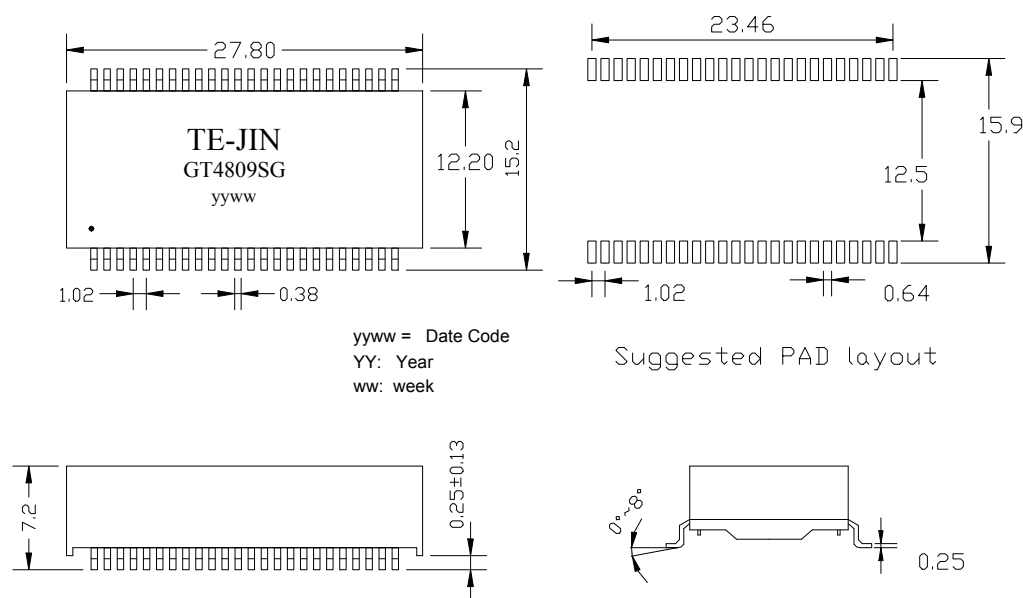
HI-POT:4300Vrms 1mA

Electrical Specifications at 25 $^{\circ}$ C — Operating Temprange: 0 $^{\circ}$ C To +70 $^{\circ}$ C

| Part Number | Transformer Turns ratio ( $\pm 3\%$ )<br>Receive Transmit | Insertion Loss (dB TYP)<br>1-100MHz | Crosstalk (dB TYP)<br>1~ 100(MHz) | Return loss (dB TYP)<br>1-30/40/50//60-80/100(MHz) | CMRR (dB TYP)<br>1~100(MHz) |
|-------------|-----------------------------------------------------------|-------------------------------------|-----------------------------------|----------------------------------------------------|-----------------------------|
| GT4809SG    | 1:1 1CT:1CT                                               | -1.0                                | -30                               | -18/-14.4/-13.1/-12/-10                            | -30                         |

Dimension: mm

Schematics:



Data sheet subject to change without notice

Unless otherwise specified, all tolerance are  $\pm 0.25$ mm

TE-JIN TECHNOLOGY CO.,LTD

TEL:86-769-81802907

FAX:86-769-81803750

E-mail:gc@tejinww.com

ADD: B1-2F,TangHong Industrial Zone ,Shi Jie Town, Dong Guan City, Guang Dong Province,China