

## LAN COMPONENTS

### 1000 Base-T Single port LAN Transformer Module

MODEL NO: GT2430SG



#### Feature:

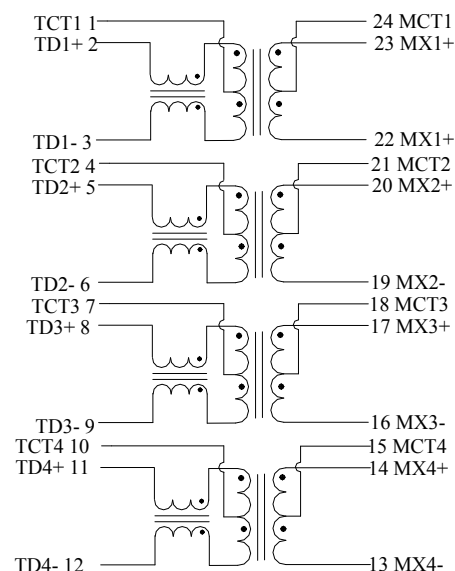
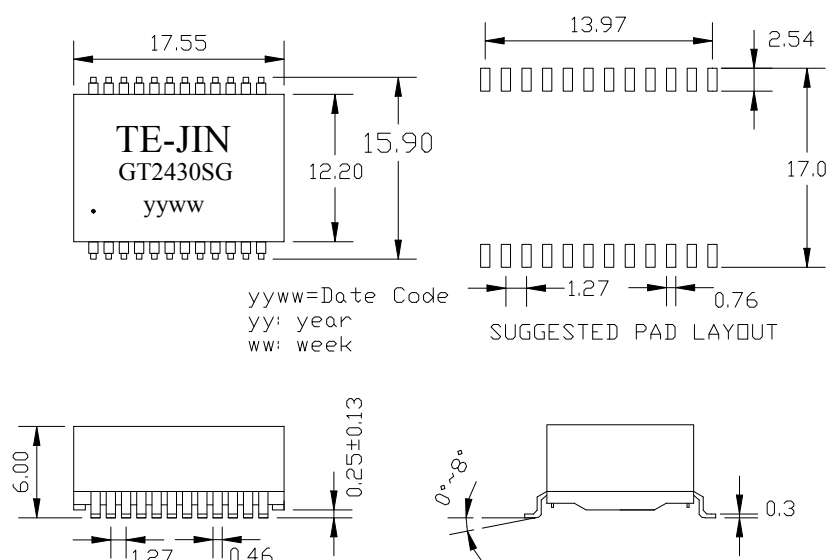
Designed for Gigabit Ethernet 1000Base-T, full duplex applications.  
Meets IEEE802.3at Standards with PoE 720mA current capability.  
Supports 4 pairs of category 5 UTP cable  
SMD Environmental: Designed to meet IR 260°C peak.  
ROHS & Halogen free requirements.  
Storage Temperature rang:-25°C To +85°C  
HI-POT:1500VAC 1mA 1Sec

#### Electrical Specifications at 25°C — Operating Temprange: -40°C To +85°C

| Part Number | Transformer Turns ratio ( $\pm 3\%$ )<br>Receive Transmit | Insertion Loss (dB TYP)<br>1-100MHz | Crosstalk (dB TYP)<br>0.5~ 60/60~ 100(MHz) | Return loss (dB TYP)<br>0.5-30/40/50/60-80/100(MHz) | CMR (dB TYP)<br>0.5~ 100(MHz) |
|-------------|-----------------------------------------------------------|-------------------------------------|--------------------------------------------|-----------------------------------------------------|-------------------------------|
| GT2430SG    | 1:1 1CT:1CT                                               | -1.1                                | -40 / -35                                  | -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

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