

## LAN COMPONENTS

### 5G Base-T Single port LAN Transformer Module Model No: FT2401S



#### Feature :

Meets all IEEE802.3 and ANSI X3.263 Standards for 5G Base-T  
SMD Environmental: Designed to meet IR 260°C peak.

Primary Inductance ( $L_p$ ): 180uH Min. 100KHz ,100mV ,8mAdc

Storage Temperature: -25°C to +125°C

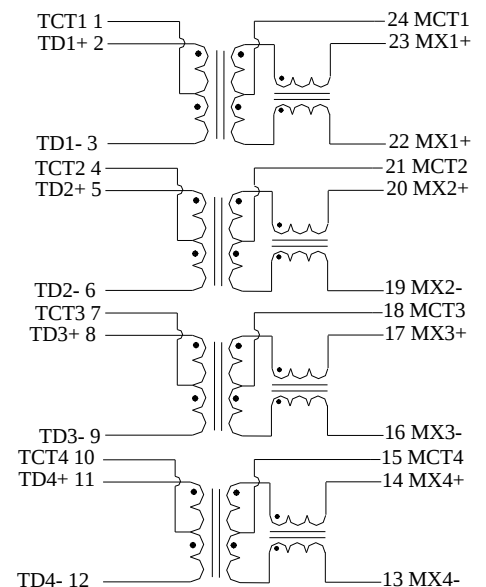
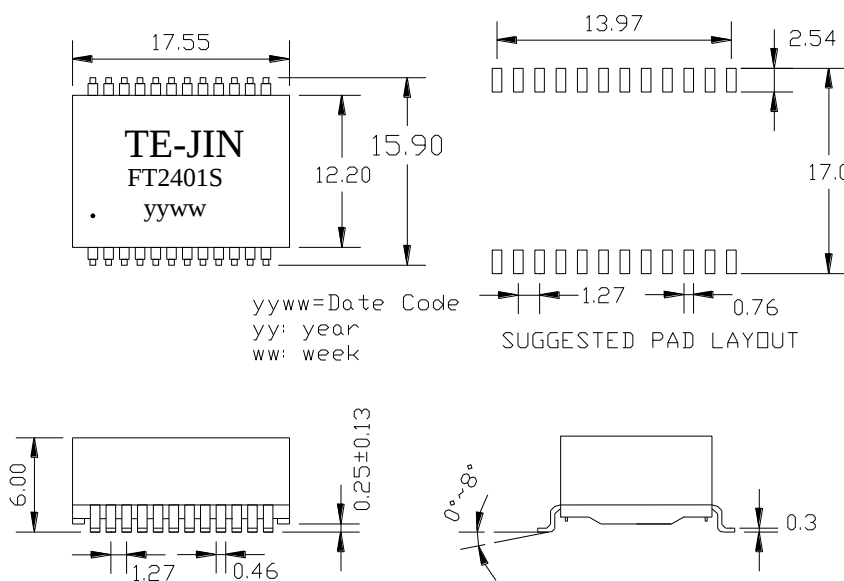
Isolation: 1500Vrms 1mA

#### Electrical Specifications at 25°C — Operating Temperature Range: 0°C To +70°C

| Part Number | Transformer Turns ratio<br>$\pm 3\%$ | Insertion Loss<br>1-100 / 100-250MHz<br>dB Max. | Return Loss<br>1-40 / 40-250MHz<br>dB Min. | Cross Talk<br>1-250MHz<br>dB Min. | DCMR<br>1-30M / 30-250MHz<br>dB Min. |
|-------------|--------------------------------------|-------------------------------------------------|--------------------------------------------|-----------------------------------|--------------------------------------|
| FT2401S     | 1CT:1CT                              | -1.0 / -2.0                                     | -16 / -16+10*log(f/40)                     | -43.1+20*log(f/100)               | -48 / -44+19.2(f/50)                 |

Dimension: mm

Schematics:



Data sheet subject to change without notice

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

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