



## 10/100Base SMD Transformer

Part Number:S40005T G

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- Compliant with IEEE 802.3u standard,.
- RoHS compliant.
- Operating temperature range:-40℃ to +85℃.
- Storage temperature range:-40℃ to +125℃.

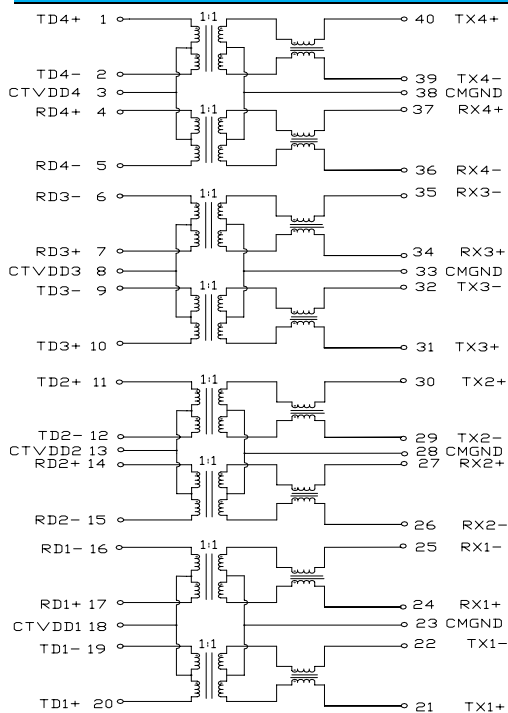
### Electrical Specifications @ 25℃

| Part Number | Turns Ratio (±5%) |         | OCL(uH Min)<br>@100KHz/0.1V<br>with 8.0mA DC | Insertion Loss (dB Max) | HI-POT (Vrms) |
|-------------|-------------------|---------|----------------------------------------------|-------------------------|---------------|
|             | TX                | RX      |                                              | 1-100MHz                |               |
| S40005T G   | 1CT:1CT           | 1CT:1CT | 350                                          | -1.15                   | 1500          |

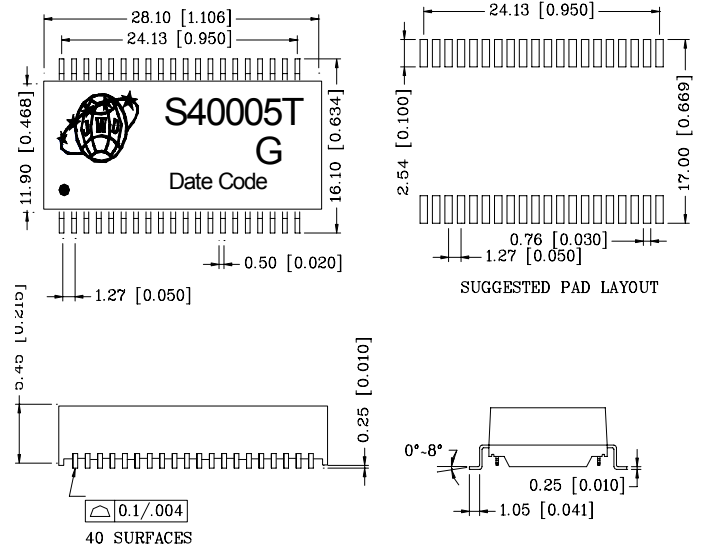
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| Part Number | Return Loss (dB Min) |          |          | Cross Talk (dB Min) |           | DCMR (dB Min) |           |
|-------------|----------------------|----------|----------|---------------------|-----------|---------------|-----------|
|             | 1-30MHz              | 30-60MHz | 60-80MHz | 1- 60MHz            | 60-100MHz | 1- 60MHz      | 60-100MHz |
| S40005T G   | -16                  | -12      | -10      | -45                 | -35       | -37           | -28       |

### Schematics:



### Mechanicals:



Unless otherwise specified,all tolerances are mm(inch)  
XX.XX±0.25(0.01) 0.XX±0.05(0.002)