

# 10/100/1000Base SMD Transformer

Part Number: 24103SG

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- Compliant with IEEE 802.3at standard.
- RoHS compliant.
- Operating temperature range: -40°C to +85°C.
- Storage temperature range: -20°C to +125°C

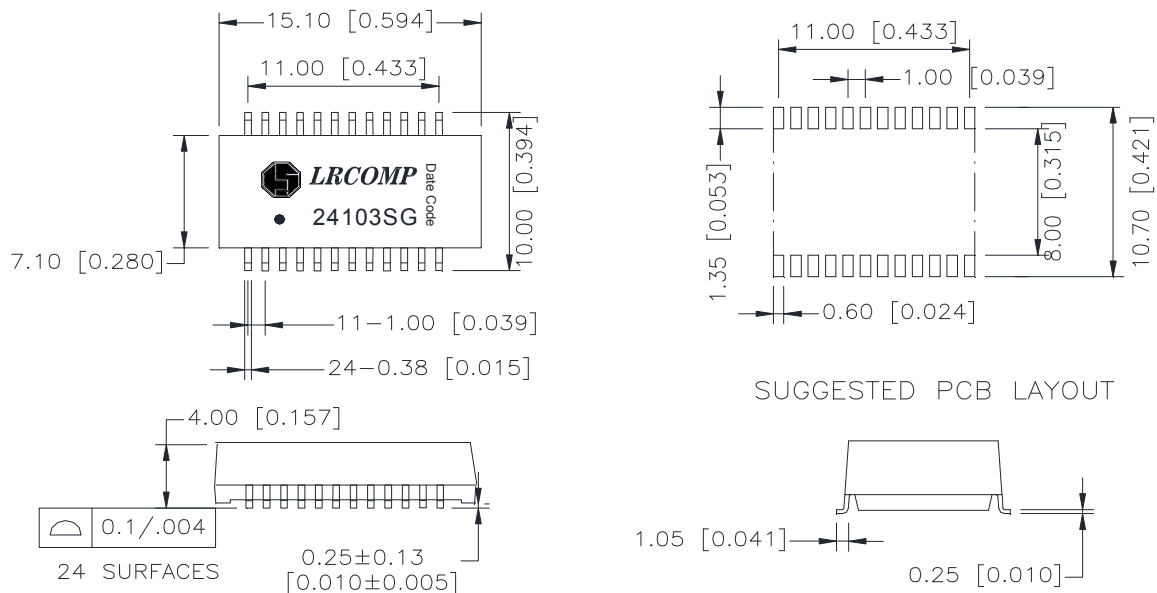
### Electrical Specifications @ 25°C

| Part Number | Turns Ratio (±5%) |         | OCL(μH Min)<br>@100KHz/0.1V<br>with 8.0mA DC | Insertion Loss<br>(dB Max)<br>1-100MHz | DCMR<br>(dB Min)<br>1-100MHz | HI-POT<br>(Vrms)<br>1500 |
|-------------|-------------------|---------|--|--|------------------------------|--------------------------|
|             | TX                | RX      |  |  |                              |                          |
| 24103SG     | 1CT:1CT           | 1CT:1CT | 350  | -1.0                                   | -30                          | 1500                     |

### Continue

| Part Number | Return Loss<br>(dB Min) |       |       |          |        | Cross Talk<br>(dB Min) |       |        |
|-------------|-------------------------|-------|-------|----------|--------|------------------------|-------|--------|
|             | 1-30MHz                 | 40MHz | 50MHz | 60-80MHz | 100MHz | 30MHz                  | 60MHz | 100MHz |
| 24103SG     | -18                     | -14.4 | -13.1 | -12      | -10    | -40                    | -35   | -30    |

### Schematics:



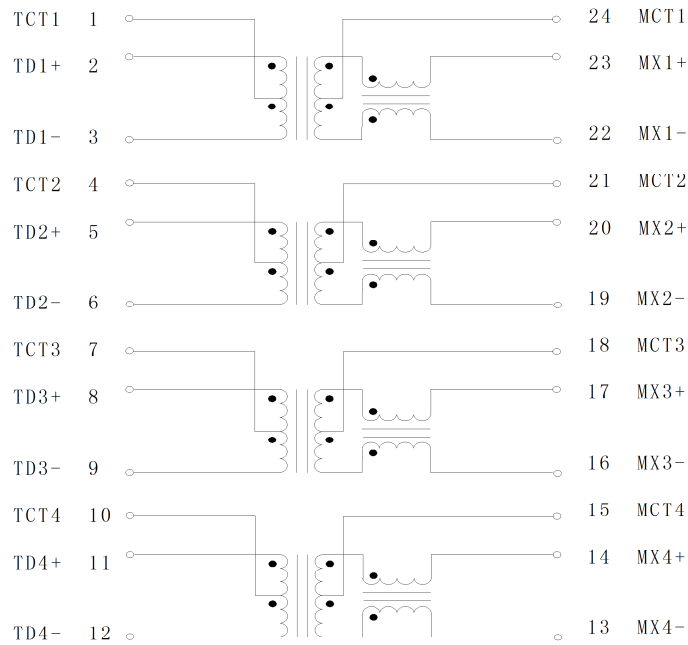
Dimension: mm[Inch] ±0.25[0.010]

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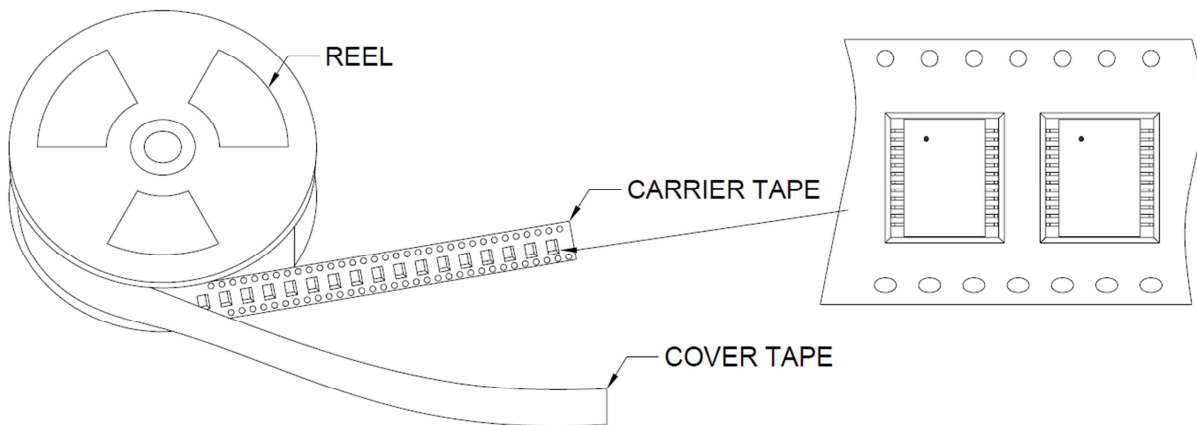
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**Schematics:**



**Package:**



Quantity per reel: 800 pcs

Quantity per big carton: 4800 pcs