

10/100Base SMD Transformer

Part Number: 16102S

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- Compliant with IEEE 802.3 standard.
- RoHS compliant.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -20°C to +125°C

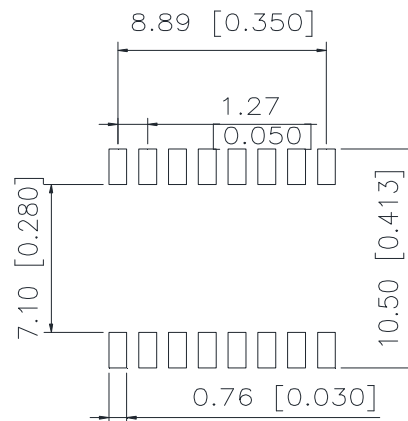
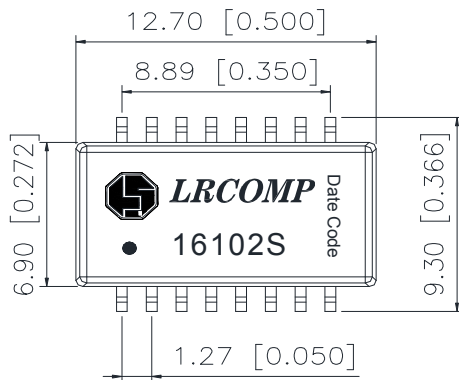
Electrical Specifications @ 25°C

| Part Number | Turns Ratio (±5%) | | OCL(μH Min) @100KHz/0.1V with 8.0mA DC | Insertion Loss (dB Max) 1-100MHz | DCMR (dB Min) 1-100MHz | HI-POT (Vrms) |
|-------------|-------------------|---------|--|--|------------------------------|------------------|
| | TX | RX | | | | |
| 16102S | 1CT:1CT | 1CT:1CT | 350 | -1.0 | -30 | 1500 |

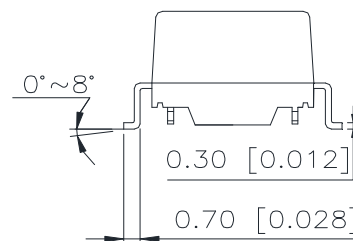
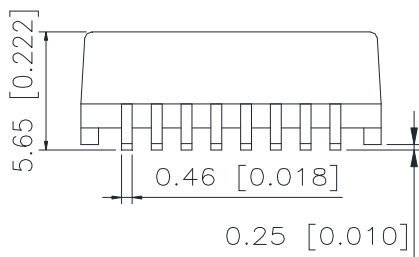
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| Part Number | Return Loss (dB Min) | | | | | Cross Talk (dB Min) | | |
|-------------|-------------------------|-------|-------|----------|--------|------------------------|-------|--------|
| | 1-30MHz | 40MHz | 50MHz | 60-80MHz | 100MHz | 30MHz | 60MHz | 100MHz |
| 16102S | -18 | -14.4 | -13.1 | -12 | -10 | -40 | -35 | -30 |

Schematics:



SUGGESTED PCB LAYOUT



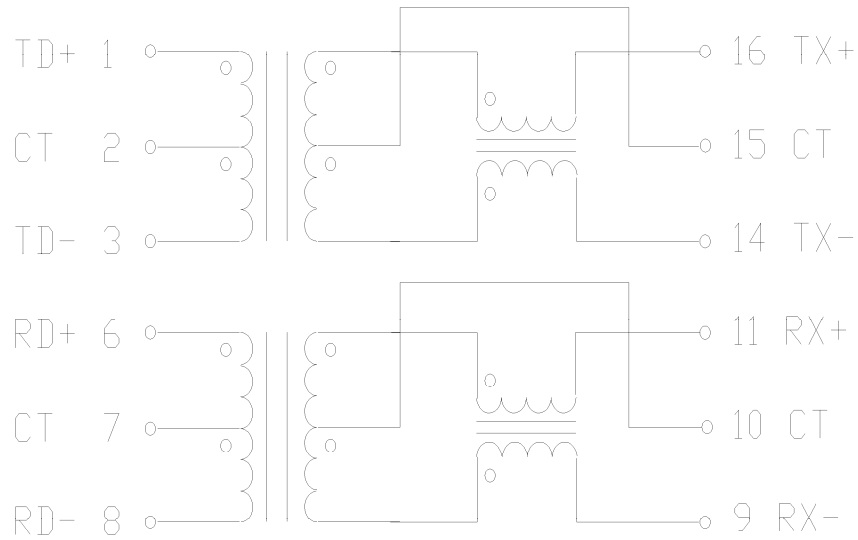
Dimension: mm [Inch] ±0.25 [0.010]

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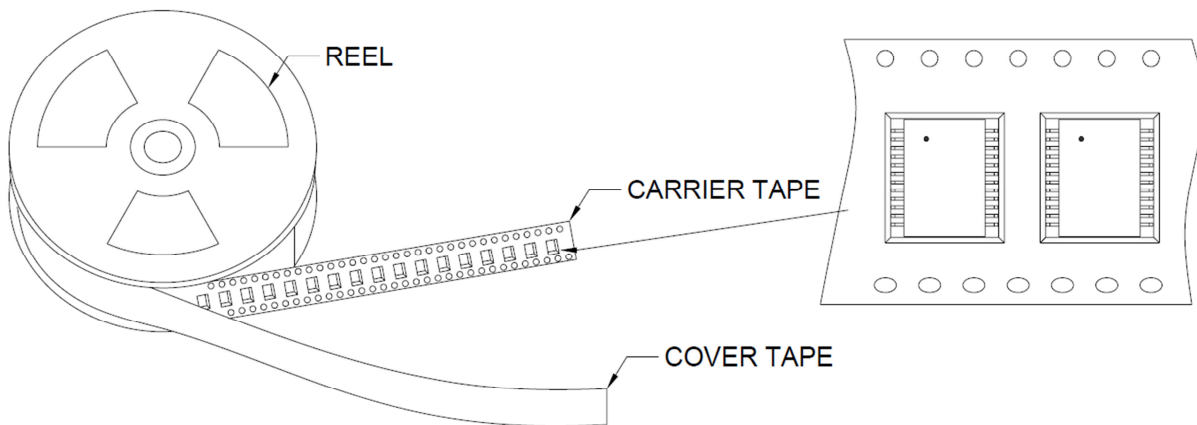
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Schematics:



Package:



Quantity per reel: 600 pcs

Quantity per big carton: 3600 pcs