

Part Number: AE-SD16702H

10G BASE SINGLE PORT TRANSFORMER

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



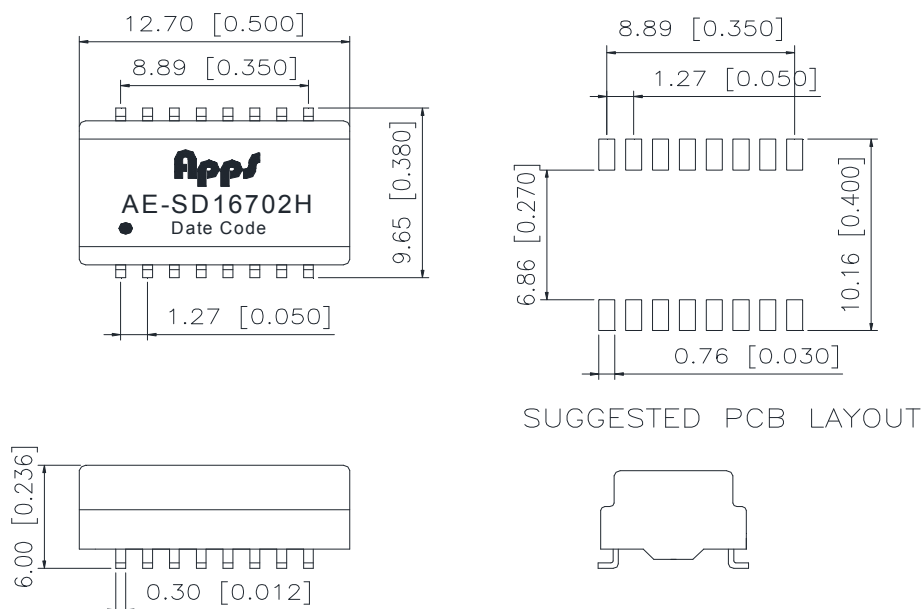
### Electrical Specifications @ 25°C

| Part Number | Turns Ratio (±2%) |         | OCL(μH Min)<br>@100KHz/0.1V | Insertion Loss (dB Max) |          |        | HI-POT (Vrms) |
|-------------|-------------------|---------|-----------------------------|-------------------------|----------|--------|---------------|
|             | TX                | RX      |                             | 100KHz                  | 1-400MHz | 500MHz |               |
| AE-SD16702H | 1CT:1CT           | 1CT:1CT | 120                         | -3.0                    | -2.0     | -3.0   | 1500          |

### Continue

| Part Number | Return Loss (dB Min) |                   |        | Cross Talk (dB Min) |            | CMRR (dB Min) |            |            |
|-------------|----------------------|-------------------|--------|---------------------|------------|---------------|------------|------------|
|             | 2-100MHz             | 100-400MHz        | 500MHz | 1-100MHz            | 100-500MHz | 1-100MHz      | 100-300MHz | 300-500MHz |
| AE-SD16702H | -20                  | -10+20*log(f/400) | -7     | -40                 | -25        | -40           | -30        | -25        |

### Mechanicals:



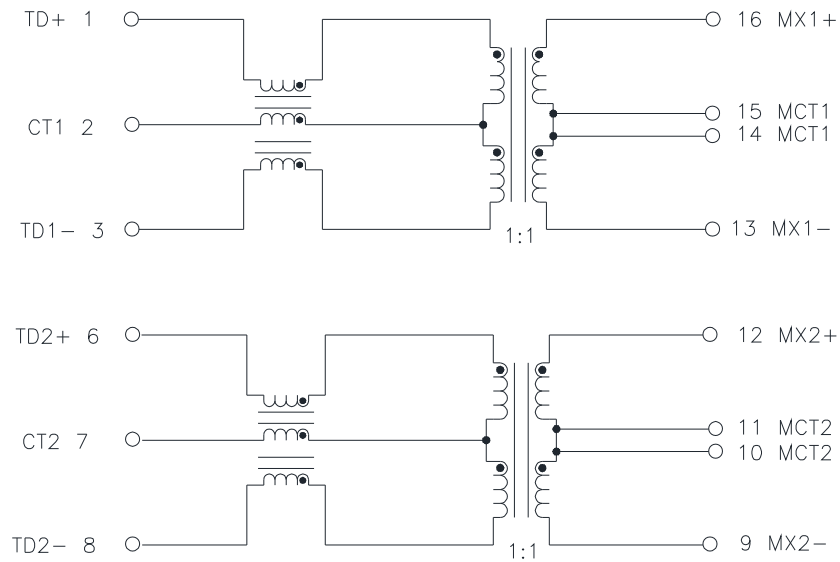
Dimension: mm[Inch]±0.25[0.010]

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**Schematics:**



**Package:**

