

Part Number: AE-SB16301

10/100 BASE SINGLE PORT TRANSFORMER

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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.

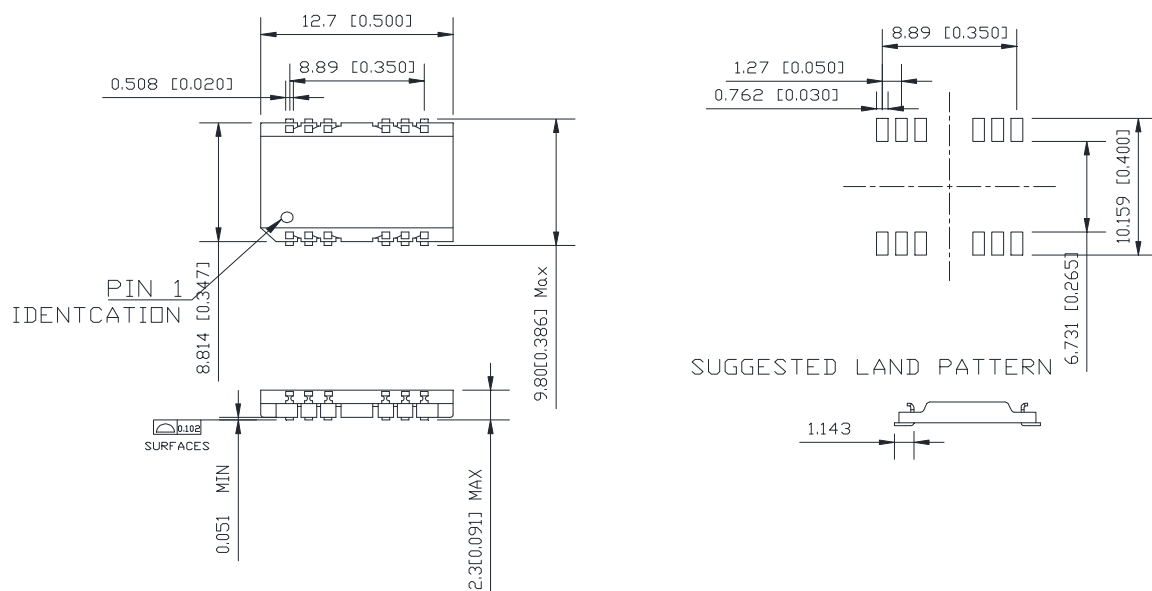
#### Electrical Specifications @ 25°C

| Part Number | Turns Ratio (±5%) |         | OCL (μH Min)<br>@100KHz/0.1V<br>with 8.0mA DC | Insertion Loss<br>(dB Max)<br>1-100MHz | HI-POT<br>(Vrms) |
|-------------|-------------------|---------|-----------------------------------------------|----------------------------------------|------------------|
|             | TX                | RX      |                                               |                                        |                  |
| AE-SB16301  | 1CT:1CT           | 1CT:1CT | 350                                           | -1.0                                   | 1500             |

#### Continue

| Part Number | Return Loss<br>(dB Min) |       |       | Cross Talk<br>(dB Min) |       |        | DCMR<br>(dB Min) |       |        |
|-------------|-------------------------|-------|-------|------------------------|-------|--------|------------------|-------|--------|
|             | 30MHz                   | 60MHz | 80MHz | 30MHz                  | 60MHz | 100MHz | 30MHz            | 50MHz | 100MHz |
| AE-SB16301  | -16                     | -14   | -12   | -40                    | -35   | -30    | -40              | -35   | -30    |

#### Mechanicals:



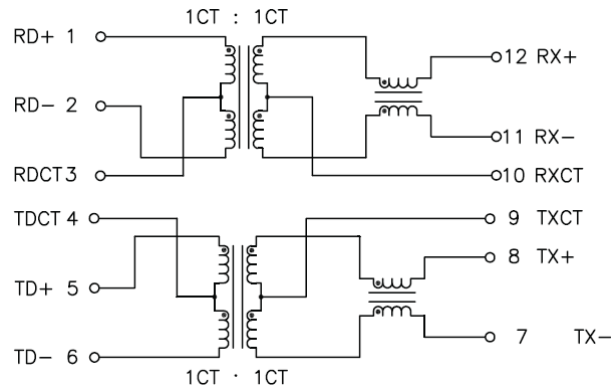
Dimensions: Unless otherwise specified, all tolerances are ±0.25

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**Schematics:**



**Package:**

