

Part Number: AE-SD24008P

10G BASE SINGLE PORT TRANSFORMER

Page: 1/2

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



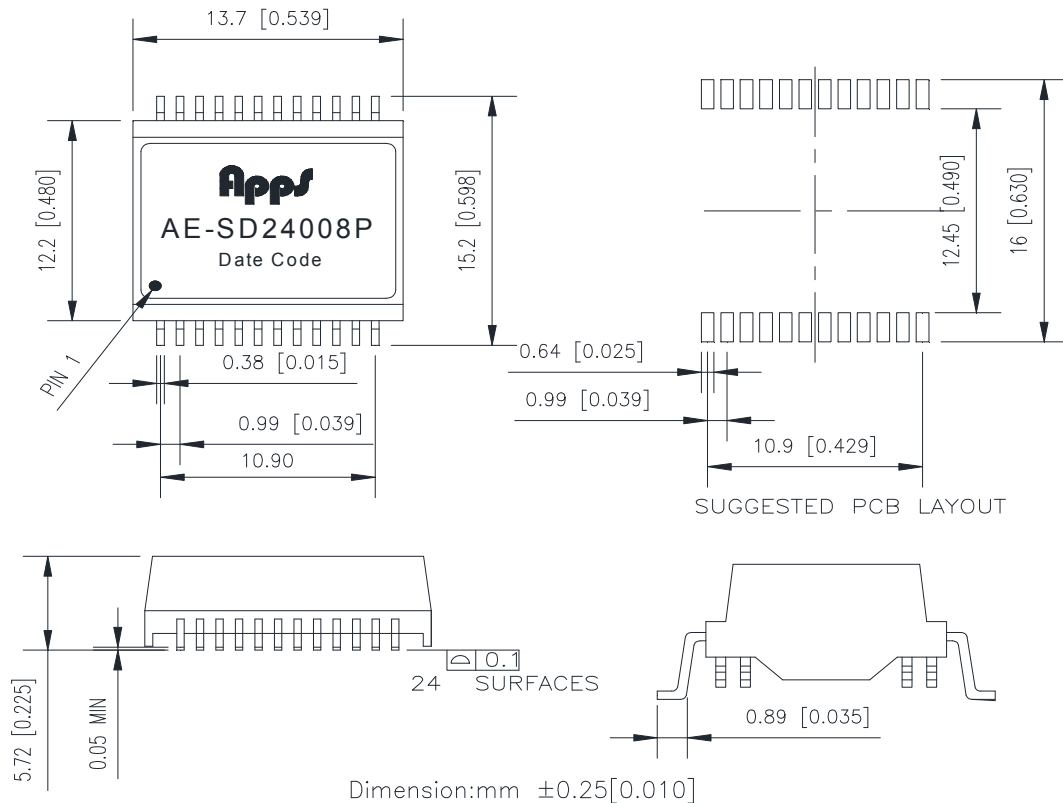
#### Electrical Specifications @ 25°C

| Part Number | Turns Ratio<br>(±2%) | OCL(μH Min)<br>@100kHz/0.1V<br>DC 9mA | Insertion Loss<br>(dB Max) |          |            | HI-POT<br>(Vrms) | DCMR<br>(dB Min) |            |
|-------------|----------------------|---------------------------------------|----------------------------|----------|------------|------------------|------------------|------------|
|             |                      |                                       | 100kHz                     | 1-400MHz | 400-500MHz |                  | 1-250MHz         | 250-500MHz |
| AE-SD24008P | 1CT:1CT              | 100                                   | -3                         | -1.5     | -3         | 1500             | -30              | -22        |

#### Continue

| Part Number | Return Loss<br>(dB Min) |                  | Cross Talk<br>(dB Min) |            | CMRR<br>(dB Min) |            |            | DC CURRENT/<br>VOLTAGE RATING |
|-------------|-------------------------|------------------|------------------------|------------|------------------|------------|------------|-------------------------------|
|             | 1-40MHz                 | 40-500MHz        | 1-100MHz               | 100-500MHz | 1-100MHz         | 100-300MHz | 300-500MHz |                               |
| AE-SD24008P | -18                     | -17+10*log(f/40) | -40                    | -30        | -35              | -30        | -25        | 600mA Max@57V<br>(CONTINUOUS) |

#### Mechanicals:

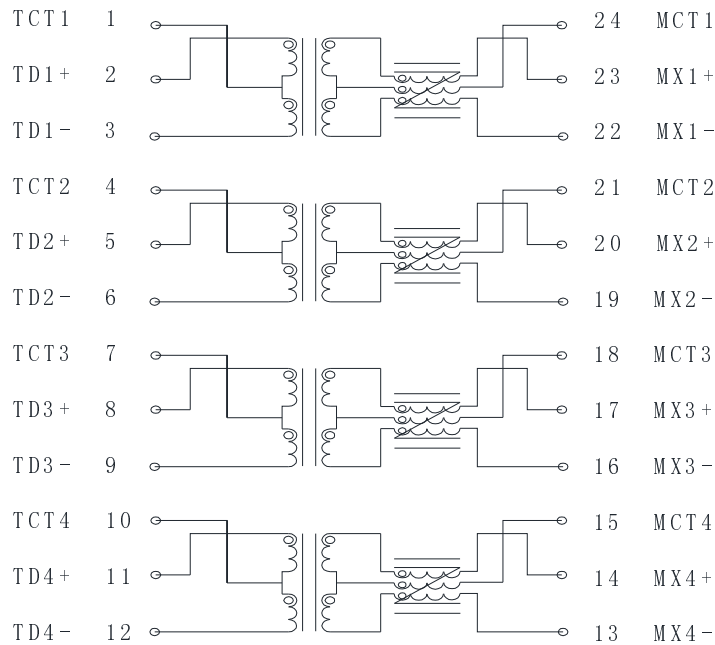


Part Number: AE-SD24008P

10G BASE SINGLE PORT TRANSFORMER

Page: 2/2

**Schematics:**



**Package:**

