

Part Number: AE-SC24550H

10/100/1000 BASE LAN TRANSFORMER

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- Compliant with IEEE802.3 requirement.
- RoHS compliant.
- Operating temperature range:-40°C to +85°C.
- Storage temperature range:-50°C to +125°C.

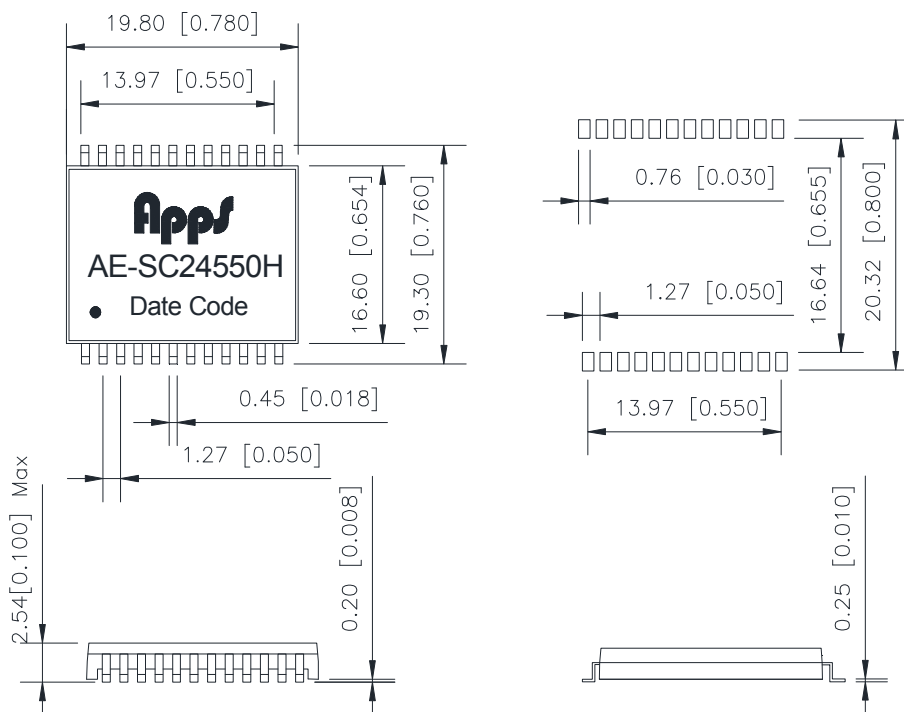
#### Electrical Specifications @ 25°C

| Part Number | Turns Ratio<br>(±2%) | OCL(μH Min)<br>@100KHz/0.1V | Insertion Loss<br>(dB Max) |          |        | HI-POT<br>(Vrms) |
|-------------|----------------------|-----------------------------|----------------------------|----------|--------|------------------|
|             | TX:RX                | With 8.0mA DC               | 100KHz                     | 1-100MHz | 125MHz |                  |
| AE-SC24550H | 1CT:1CT              | 350                         | -1.2                       | -1.0     | -3.0   | 1500Vrms/60S     |

#### Continue

| Part Number | Return Loss<br>(dB Min) |                                  | Cross Talk<br>(dB Min) |                                  | DCMR<br>(dB Min) |                                 |
|-------------|-------------------------|----------------------------------|------------------------|----------------------------------|------------------|---------------------------------|
|             | 1-40MHz                 | 40-100MHz                        | 1MHz                   | 30-100MHz                        | 2MHz             | 30-100MHz                       |
| AE-SC24550H | -18                     | -10+20* Log <sub>10</sub> (f/80) | -50                    | -55+24* Log <sub>10</sub> (f/10) | -50              | -43+22*Log <sub>10</sub> (f/30) |

#### Mechanicals:



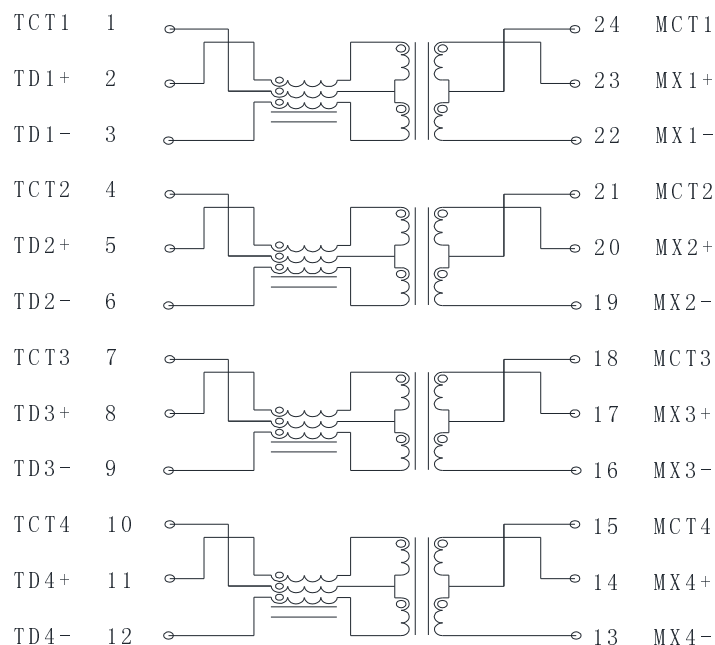
Dimension:mm[Inch]±0.25[0.010]

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### Schematics:



### Package:

