

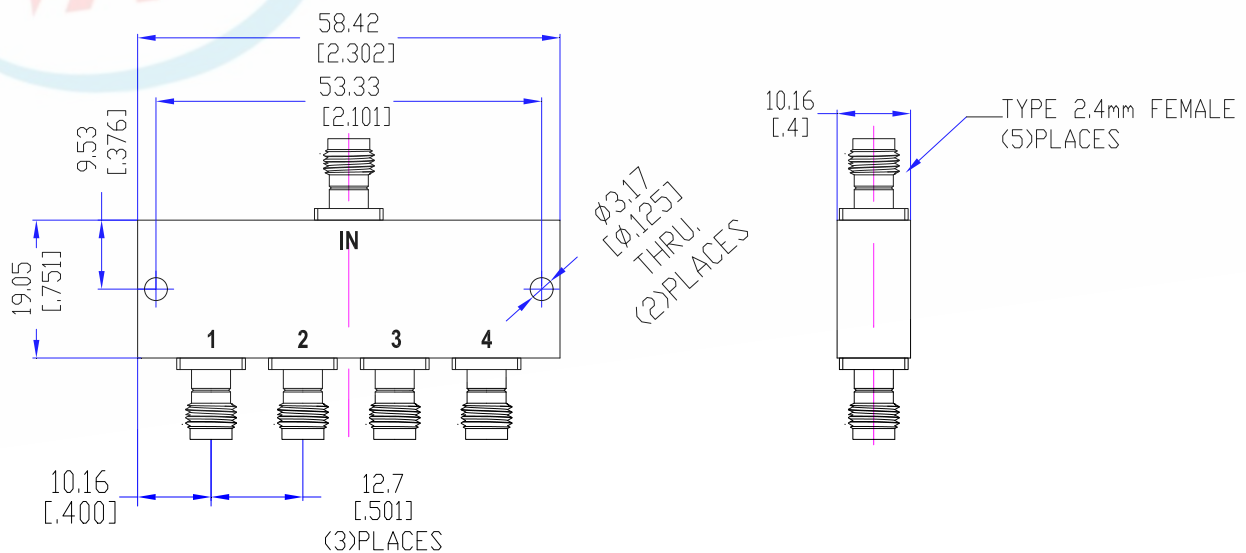
## Model TPD100500A4

### Features

- Excellent phase & amplitude balance
- Low Insertion Loss & VSWR
- High Isolation

| Technical Data Sheet        |                                       |                       |   |
|-----------------------------|---------------------------------------|-----------------------|---|
| Frequency Range             | 10~50GHz                              | Finish                | Painted Blue_ RAL #5007                         |
| Insertion Loss              | ≤2.6dB<br>(Above 6.02dB Split)        | Connector Body        | Passivated Stainless Steel                      |
| VSWR                        | Input ≤1.80:1<br>Output ≤1.80:1       | Housing               | Aluminum, 6061 T6<br>Clear Chem Conversion Film |
| Isolation                   | ≥13dB                                 | Connector Pin         | Beryllium Copper, Gold Plate                    |
| Amplitude Balance           | ≤±0.8dB                               | Solder                | Lead Free, RoHS Compliant                       |
| Phase Balance               | ≤±12°                                 | Operating Temperature | -55~+85°C                                       |
| <sup>1</sup> Power Handling | Forward ≤10Watt;<br>Reversed ≤0.5Watt | Operating Humidity    | Up to 95%, Non-Condensing                       |
| Impedance                   | 50Ω                                   | Weight                | 40g   |
| Port Connectors             | 2.4mm-Female                          |                       |   |

<sup>1</sup>Power Handling guaranteed when load's VSWR within 1.50:1.



## Typical Performance

### 1. Insertion Loss, Amplitude & Phase Balance, VSWR



### 2. Isolation

