

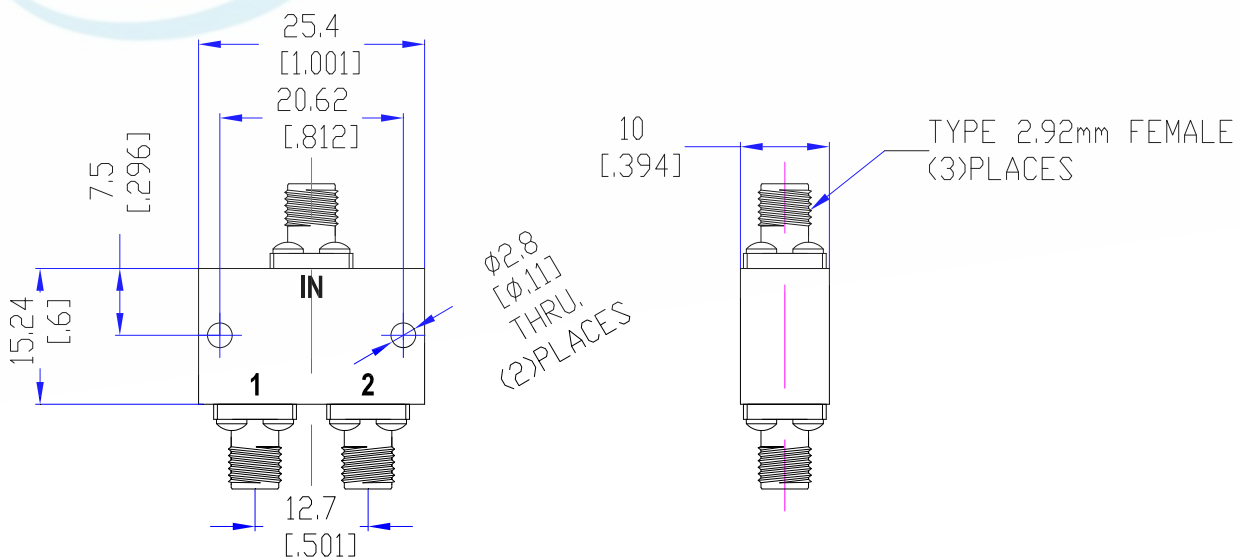
**Model TPD100300A2**

## Features

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

| Technical Data Sheet        |                                     |                       |                                                 |
|-----------------------------|-------------------------------------|-----------------------|-------------------------------------------------|
| Frequency Range             | 10~30GHz                            | Finish                | Painted Blue_ RAL #5007                         |
| Insertion Loss              | ≤0.8dB<br>(Above 3.01dB Split)      | Connector Body        | Passivated Stainless Steel                      |
| VSWR                        | Input ≤1.50:1<br>Output ≤1.50:1     | Housing               | Aluminum, 6061 T6<br>Clear Chem Conversion Film |
| Isolation                   | ≥17dB                               | Connector Pin         | Beryllium Copper, Gold Plate                    |
| Amplitude Balance           | ≤±0.5dB                             | Solder                | Lead Free, RoHS Compliant                       |
| Phase Balance               | ≤±5°                                | Operating Temperature | -55~+85°C                                       |
| <sup>1</sup> Power Handling | Forward ≤10Watt;<br>Reversed ≤1Watt | Operating Humidity    | Up to 95%,Non- Condensing                       |
| Impedance                   | 50Ω                                 | Weight                | 25g                                             |
| Port Connectors             | 2.92mm-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

