

## Model TPD150170A16

### Features

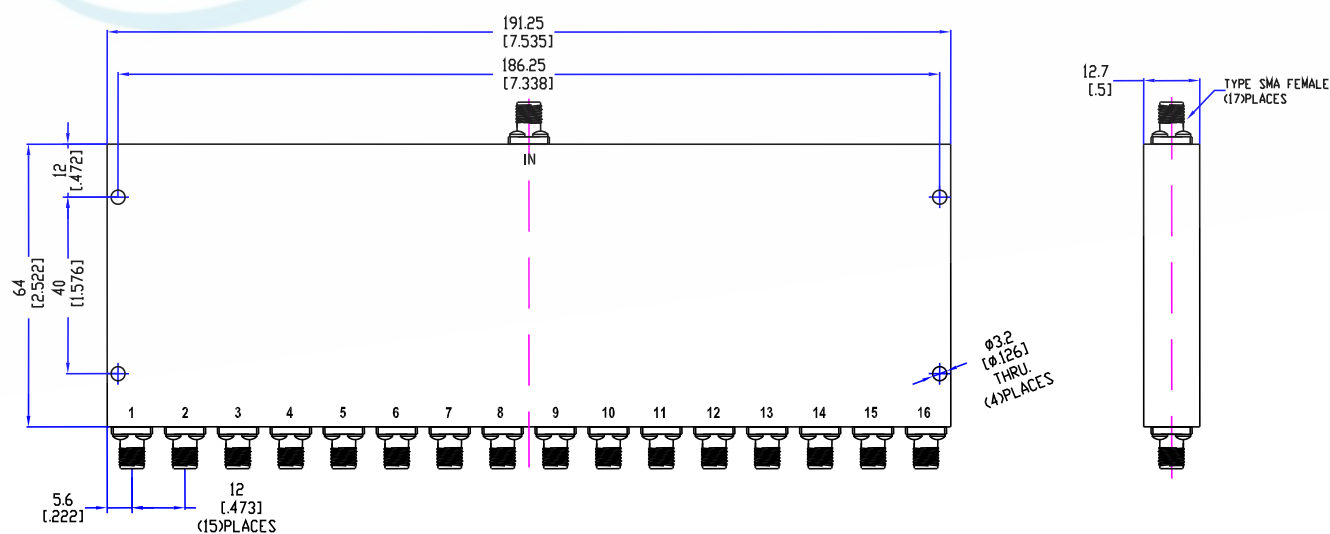
Excellent phase& amplitude balance

Low Insertion Loss& VSWR

High Isolation

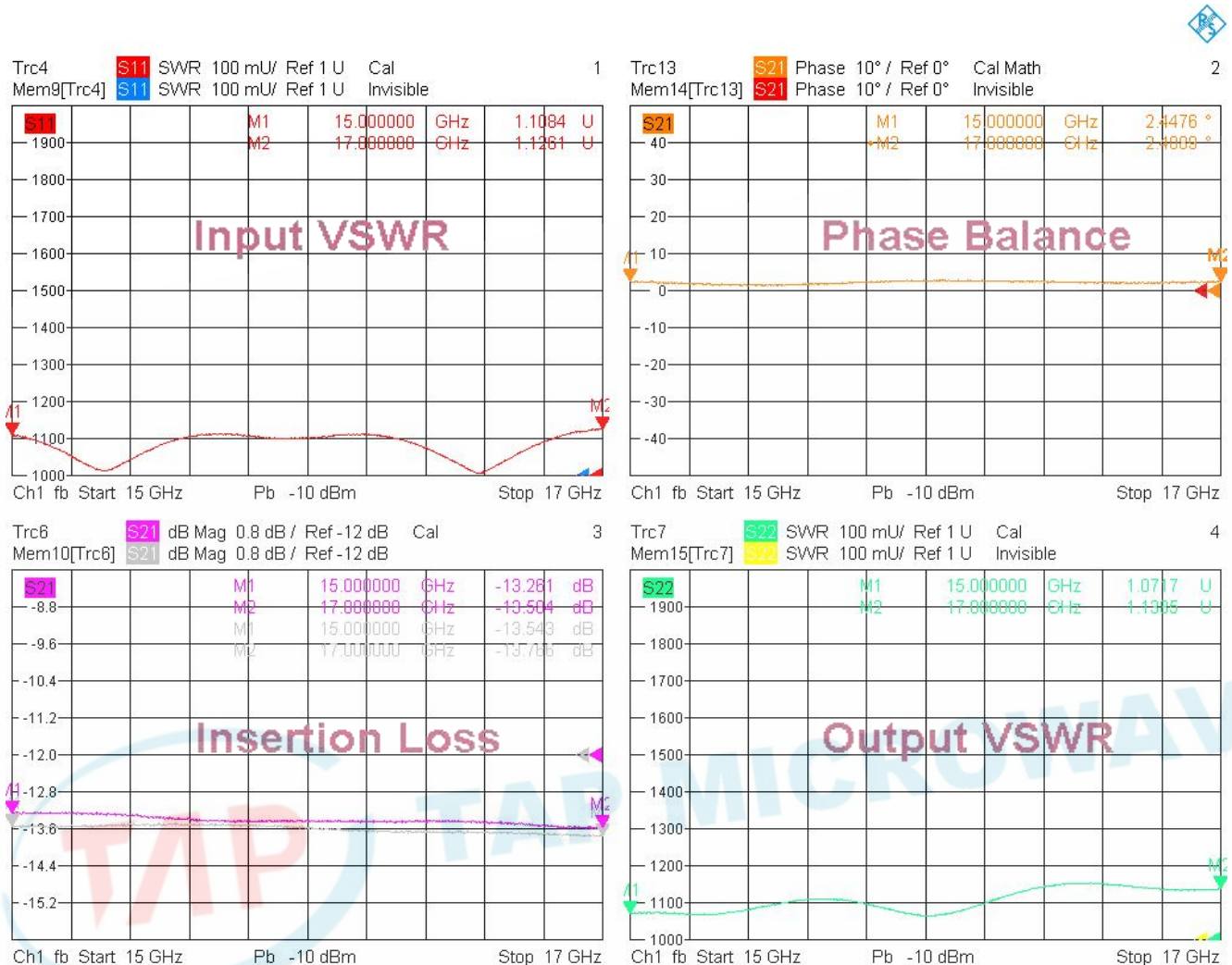
| Technical Data Sheet        |                                   |                       |                                                 |
|-----------------------------|-----------------------------------|-----------------------|-------------------------------------------------|
| Frequency Range             | 15~17GHz                          | Finish                | Painted Blue_ RAL #5007                         |
| Insertion Loss              | ≤2.6dB<br>(Above 12.04dB Split)   | Connector Body        | Passivated Stainless Steel                      |
| VSWR                        | Input ≤1.60:1<br>Output ≤1.50:1   | Housing               | Aluminum, 6061 T6<br>Clear Chem Conversion Film |
| Isolation                   | ≥17dB                             | Connector Pin         | Beryllium Copper, Gold Plate                    |
| Amplitude Balance           | ≤±0.8dB                           | Solder                | Lead Free, RoHS Compliant                       |
| Phase Balance               | ≤±10°                             | Operating Temperature | -55~+85℃                                        |
| <sup>1</sup> Power Handling | Peak ≤15Watt;<br>pulse width: 5us | Operating Humidity    | Up to 95%,Non- Condensing                       |
| Impedance                   | 50Ω                               | Weight                | 450g                                            |
| Port Connectors             | SMA-Female                        |                       |                                                 |

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



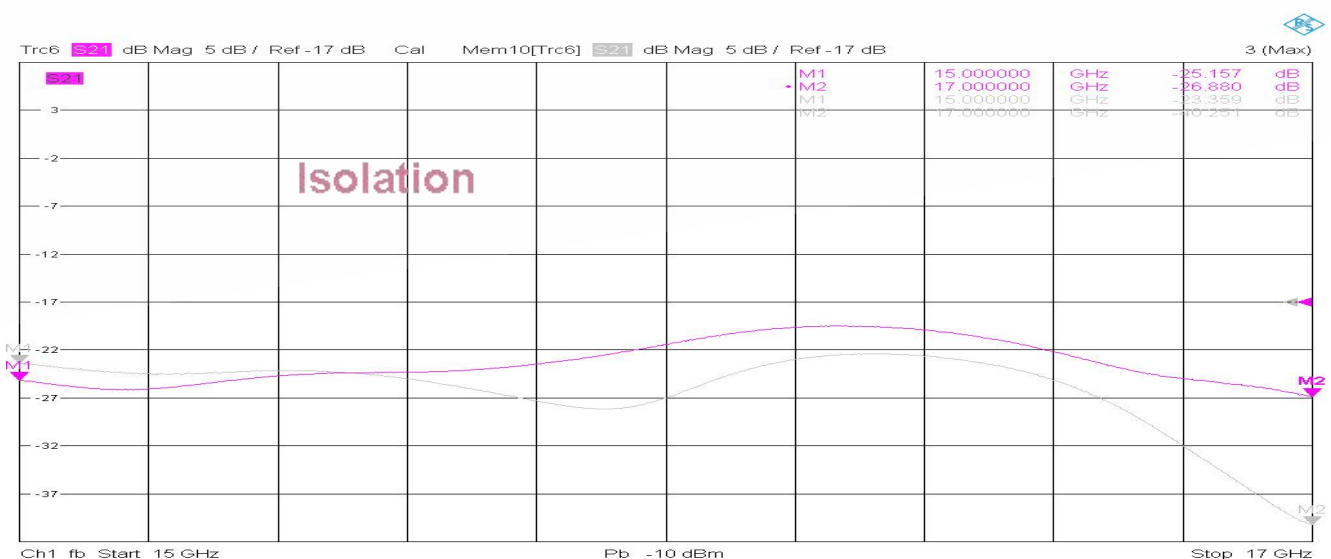
## Typical Performance

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



10/13/2023, 9:35 AM

### 2. Isolation



10/13/2023, 9:44 AM

