

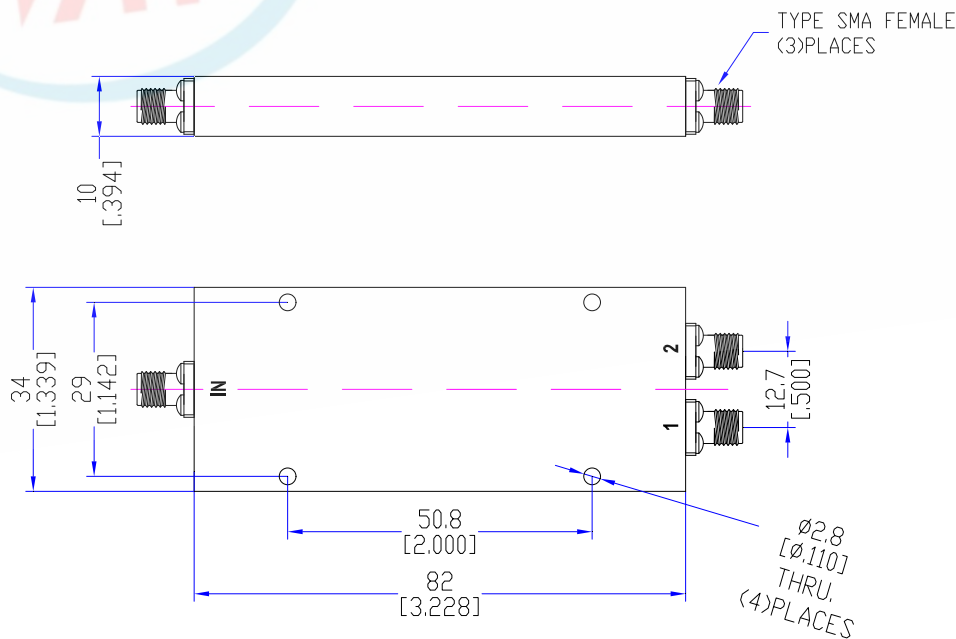
## Model TPD0780A2

### Features

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

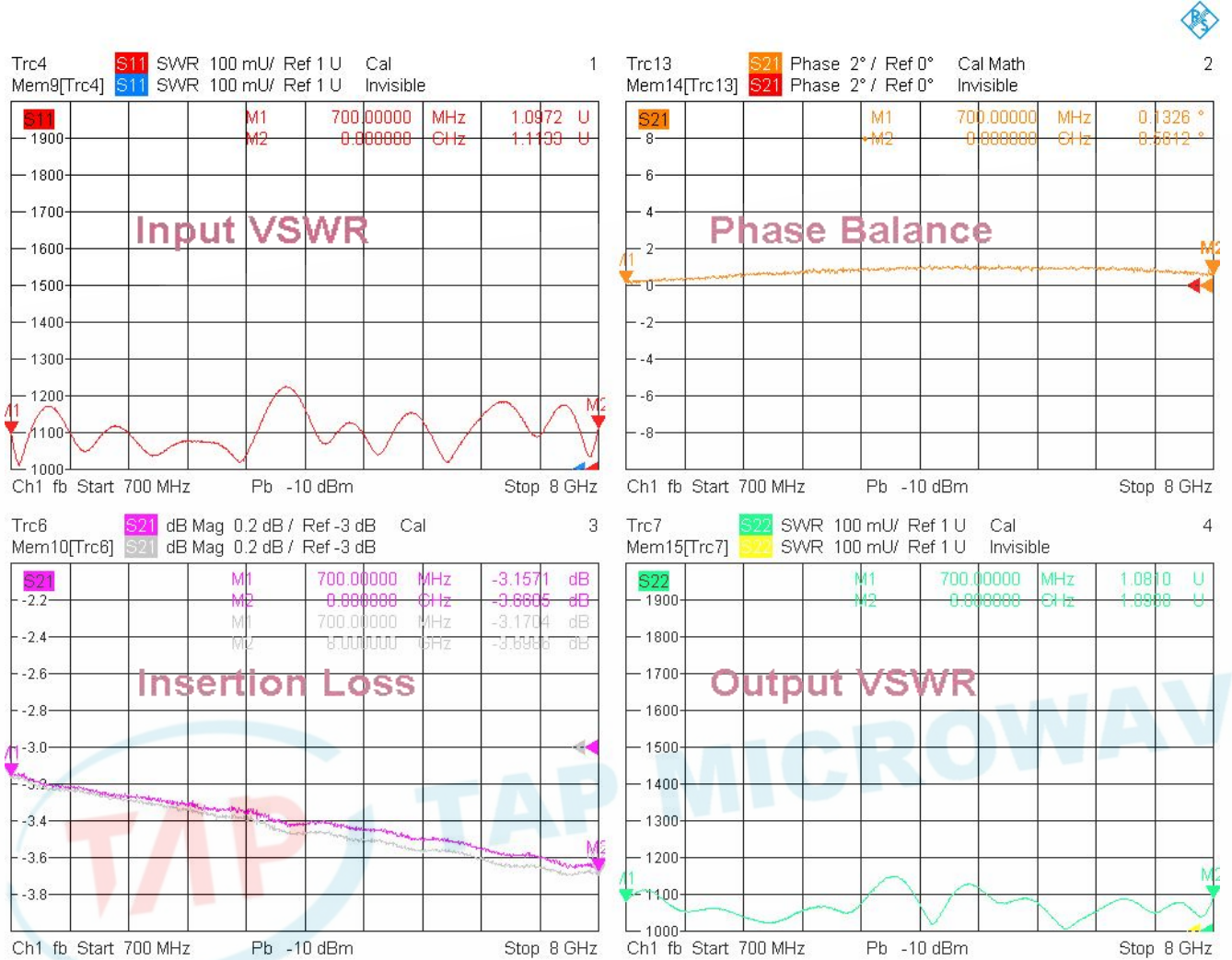
| Technical Data Sheet        |                                     |                       |   |
|-----------------------------|-------------------------------------|-----------------------|---|
| Frequency Range             | 0.7~8.0GHz                          | Finish                | Painted Blue_ RAL #5007                         |
| Insertion Loss              | ≤0.8dB<br>(Above 3.01dB Split)      | Connector Body        | Brass, Tri-Alloy Plate                          |
| VSWR                        | Input ≤1.35:1<br>Output ≤1.30:1     | Housing               | Aluminum, 6061 T6<br>Clear Chem Conversion Film |
| Isolation                   | ≥18dB                               | Connector Pin         | Beryllium Copper, Gold Plate                    |
| Amplitude Balance           | ≤±0.2dB                             | Solder                | Lead Free, RoHS Compliant                       |
| Phase Balance               | ≤±2°                                | Operating Temperature | -55~+85°C                                       |
| <sup>1</sup> Power Handling | Forward ≤50Watt;<br>Reversed ≤2Watt | Operating Humidity    | Up to 95%, Non- Condensing                      |
| Impedance                   | 50Ω                                 | Weight                | 70g   |
| Port Connectors             | SMA-Female                          |                       |   |

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



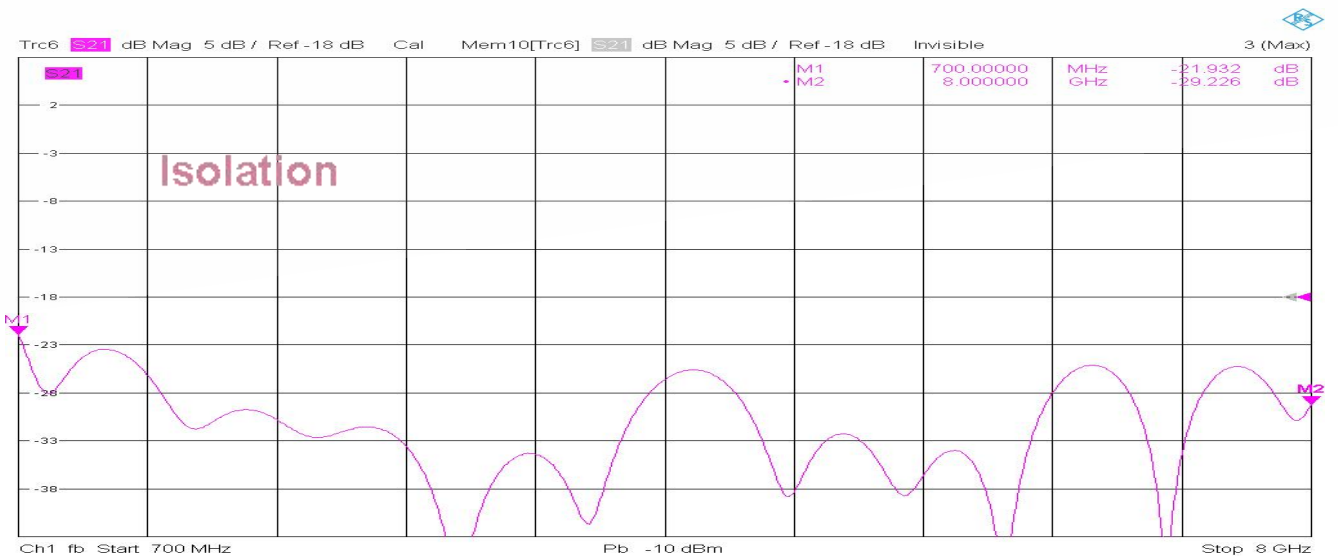
## Typical Performance

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



6/26/2023, 3:56 PM

### 2. Isolation



6/26/2023, 3:55 PM

