

## Model TPD80124A2S

### Features

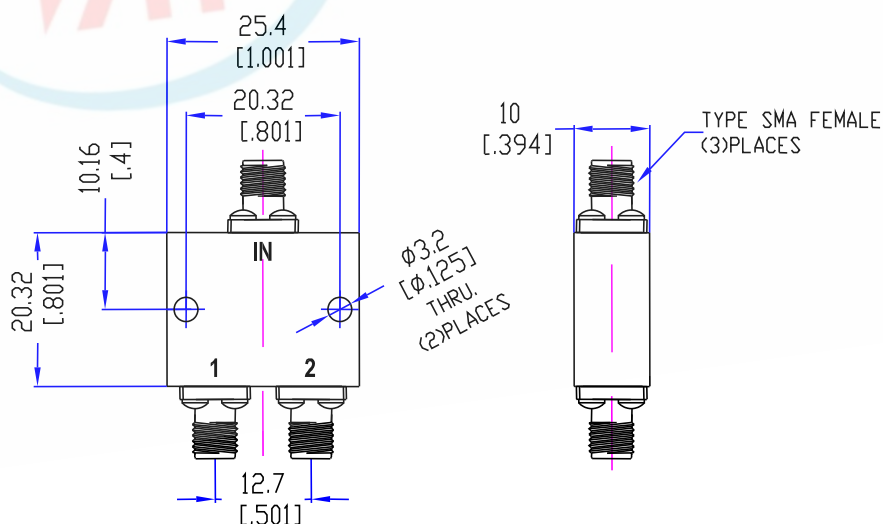
Excellent phase& amplitude balance

Low Insertion Loss& VSWR

High Isolation

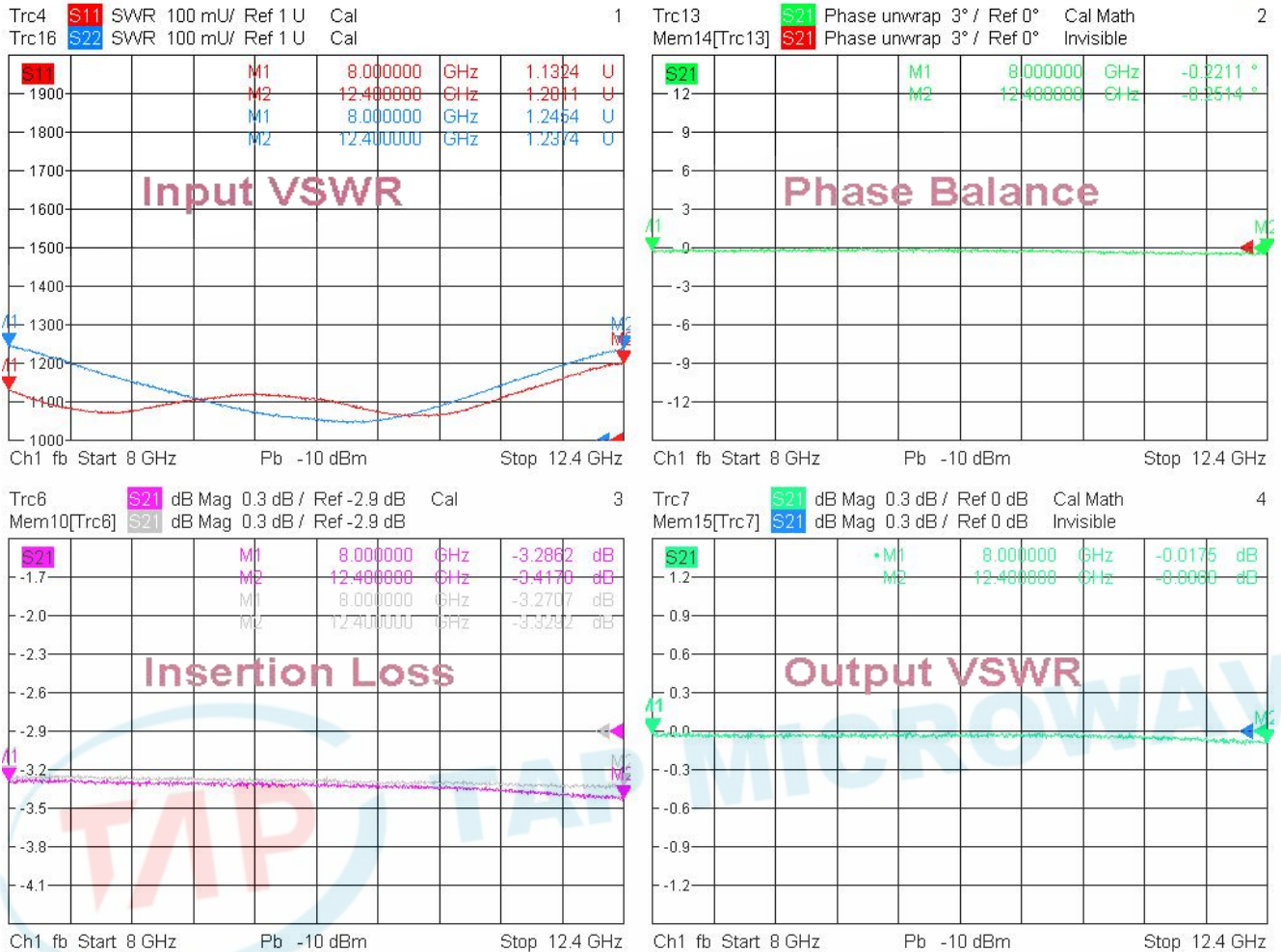
| Technical Data Sheet        |                                     |                       |                                                 |
|-----------------------------|-------------------------------------|-----------------------|-------------------------------------------------|
| Frequency Range             | 8~12.4GHz                           | Finish                | Painted Blue_ RAL #5007                         |
| Insertion Loss              | ≤0.5dB<br>(Above 3.01dB Split)      | Connector Body        | Passivated Stainless Steel                      |
| VSWR                        | Input ≤1.40:1<br>Output ≤1.40:1     | Housing               | Aluminum, 6061 T6<br>Clear Chem Conversion Film |
| Isolation                   | ≥ <b>25dB</b>                       | Connector Pin         | Beryllium Copper, Gold Plate                    |
| Amplitude Balance           | ≤±0.3dB                             | Solder                | Lead Free, RoHS Compliant                       |
| Phase Balance               | ≤±3°                                | Operating Temperature | -55~+85℃                                        |
| <sup>1</sup> Power Handling | Forward ≤30Watt;<br>Reversed ≤1Watt | Operating Humidity    | Up to 95%,Non- Condensing                       |
| Impedance                   | 50Ω                                 | Weight                | 30g                                             |
| Port Connectors             | SMA-Female                          |                       |                                                 |

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



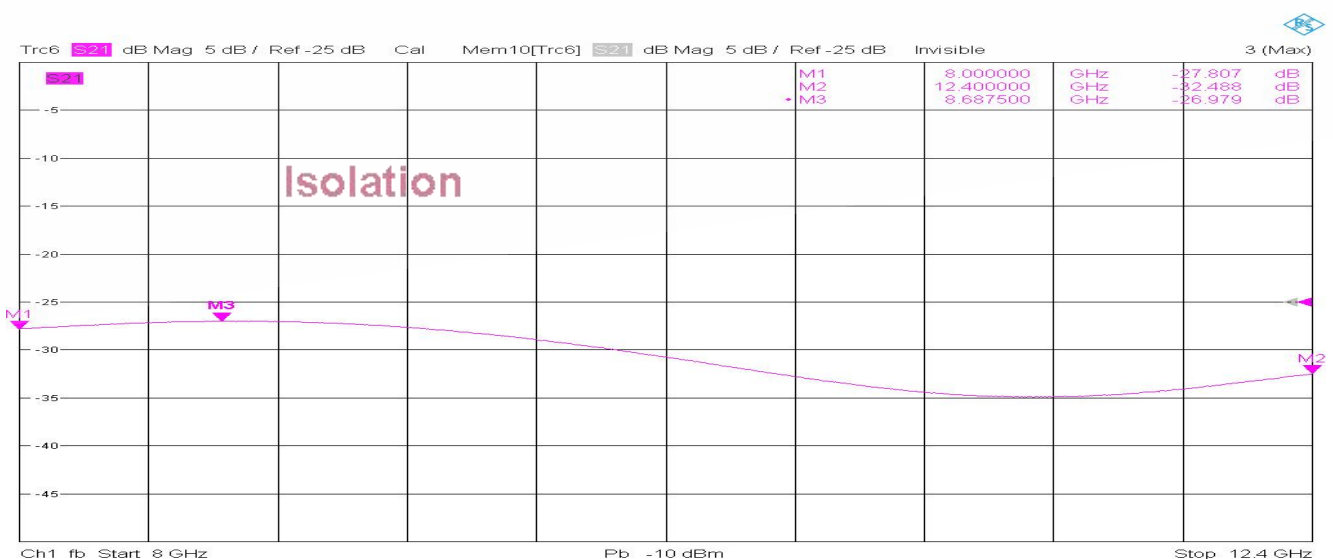
## Typical Performance

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



6/25/2026, 9:42 AM

### 2. Isolation



6/25/2026, 9:45 AM

