

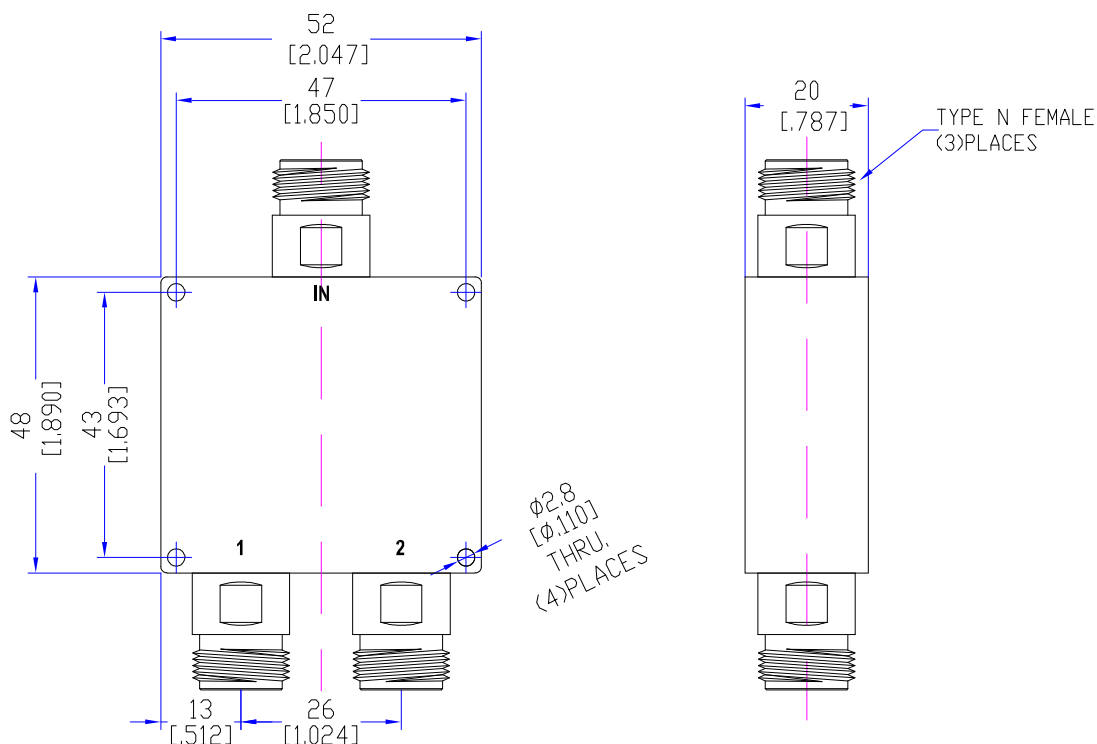
## Model TPD1012N2H

### Features

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

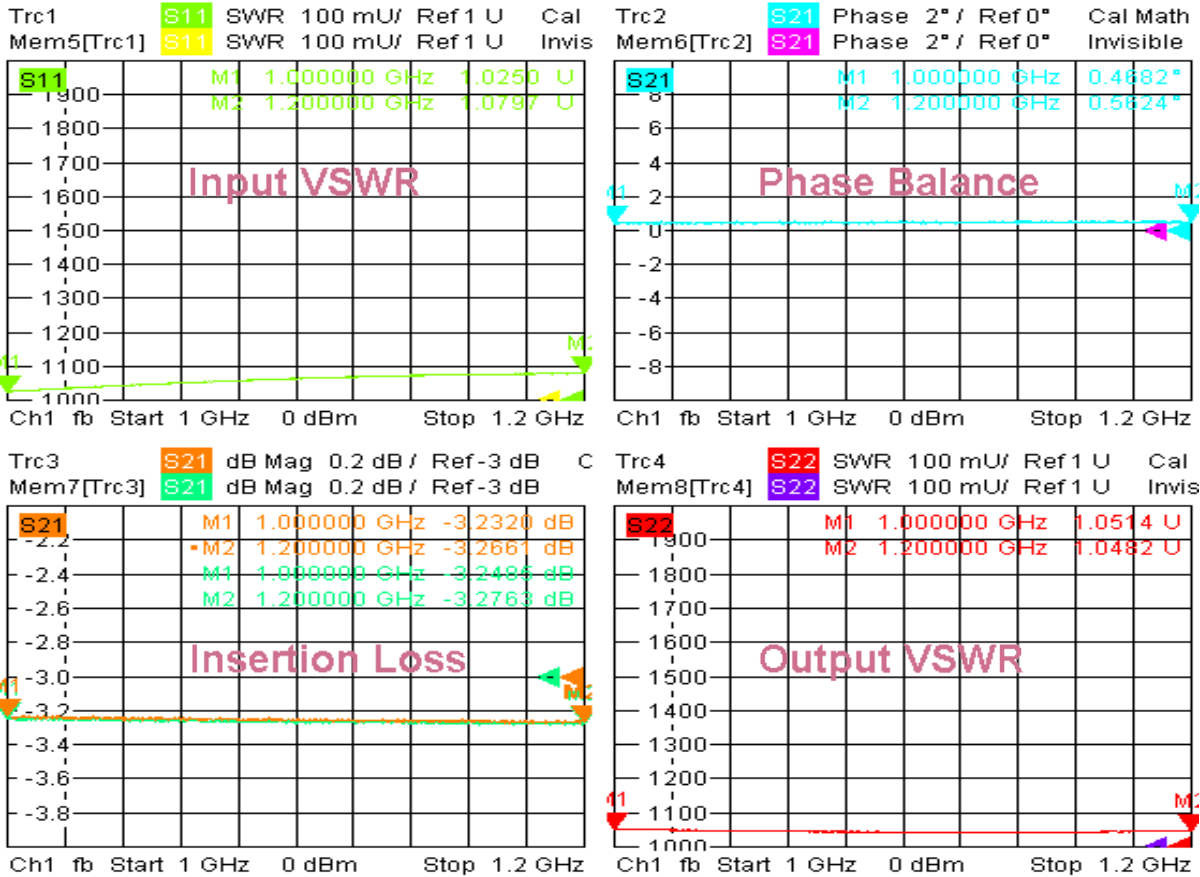
| Technical Data Sheet        |   |                       |   |
|-----------------------------|---|-----------------------|---|
| Frequency Range             | 1.0~1.2GHz                                | Finish                | Natural oxygen                                  |
| Insertion Loss              | ≤0.4dB<br>(Above 3.01dB Split)            | Connector Body        | Brass, Tri-Alloy Plate                          |
| VSWR                        | Input ≤1.25:1<br>Output ≤1.20:1           | Housing               | Aluminum, 6061 T6<br>Clear Chem Conversion Film |
| Isolation                   | ≥20dB                                     | Connector Pin         | Beryllium Copper, Gold Plate                    |
| Amplitude Balance           | ≤±0.2dB                                   | Solder                | Lead Free, RoHS Compliant                       |
| Phase Balance               | ≤±2°                                      | Operating Temperature | -40~+65°C                                       |
| <sup>1</sup> Power Handling | Forward ≤40Watt;<br>Rev. ≤20Watt Per Port | Operating Humidity    | Up to 95%, Non- Condensing                      |
| Impedance                   | 50Ω                                       | Weight                | 160g  |
| Port Connectors             | N-Female                                  |                       |   |

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



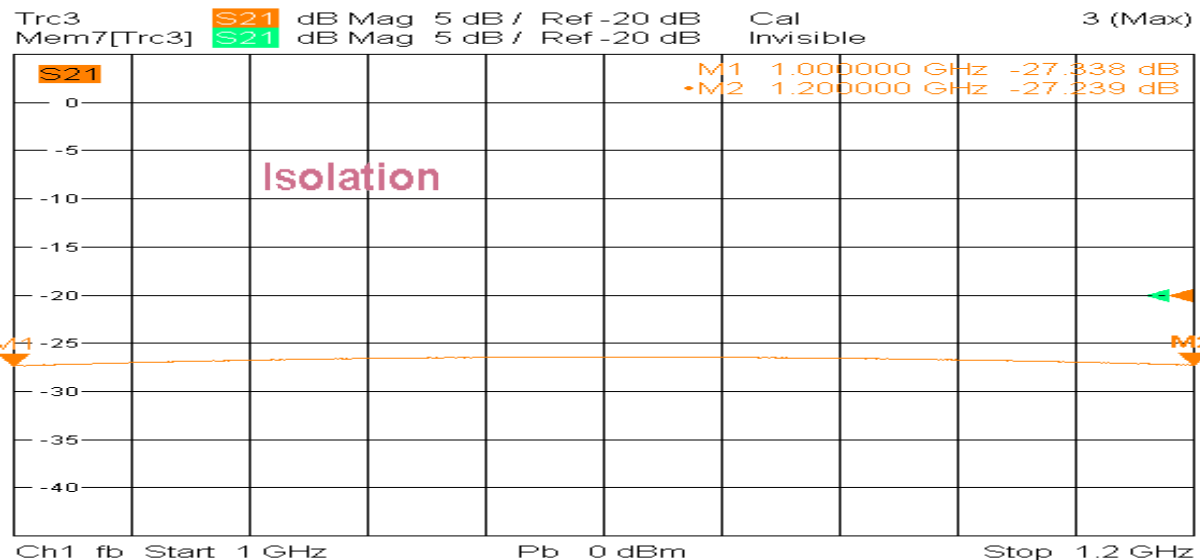
## Typical Performance

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



5/6/2021, 5:25 PM

### 2. Isolation



5/6/2021, 5:26 PM

