

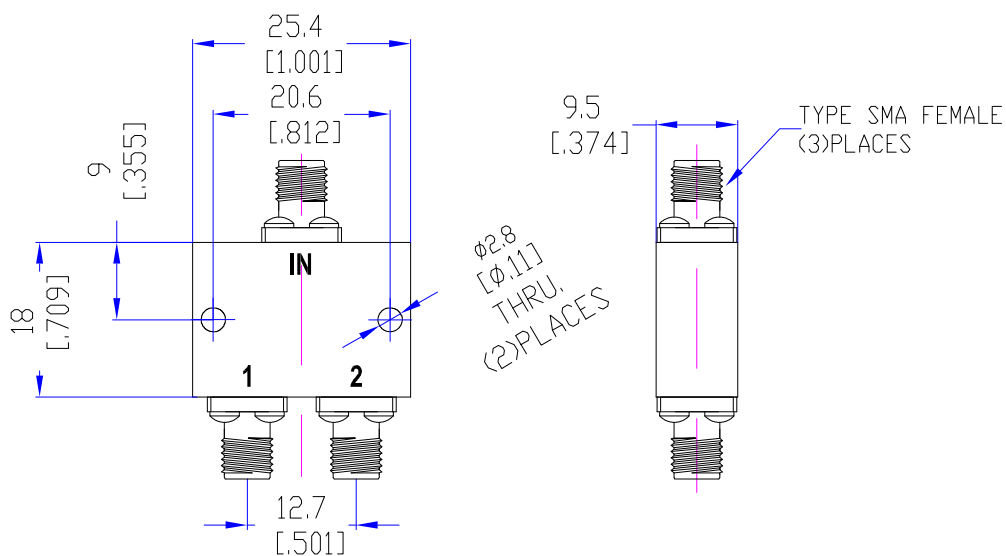
## Model TPD70124A2C

### Features

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

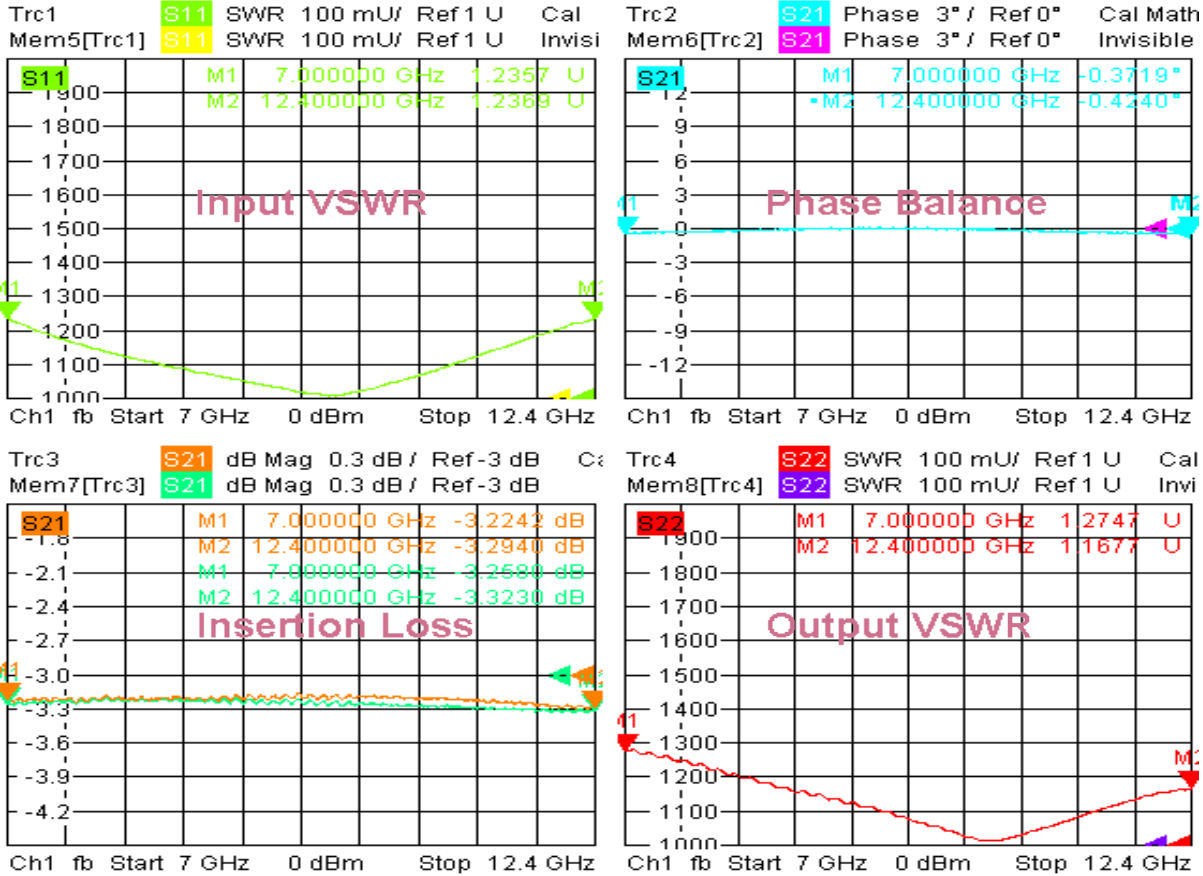
| Technical Data Sheet        |                                     |                       |   |
|-----------------------------|-------------------------------------|-----------------------|---|
| Frequency Range             | 7~12.4GHz                           | Finish                | Painted Blue_ 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                 |
| Isolation                   | ≥20dB                               | Housing               | Aluminum, 6061 T6<br>Clear Chem Conversion Film |
|                             |                                     | Connector Pin         | Beryllium Copper, Gold Plate                    |
| Amplitude Balance           | ≤±0.3dB                             | Solder                | Lead Free, RoHS Compliant                       |
| Phase Balance               | ≤±3°                                | Operating Temperature | -55~+85°C                                       |
| <sup>1</sup> Power Handling | Forward ≤30Watt;<br>Reversed ≤1Watt | Operating Humidity    | Up to 95%, Non- Condensing                      |
|                             |                                     | Impedance             | 50Ω   |
| Port Connectors             | SMA-Female                          | Weight                | 30g   |

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



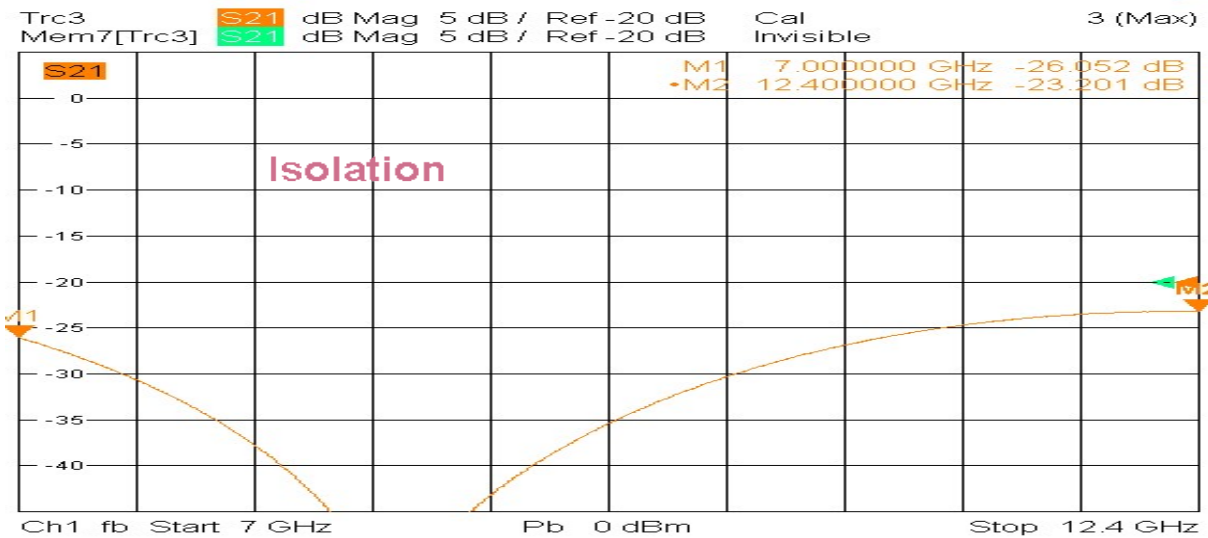
## Typical Performance

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



12/10/2019, 5:41 AM

### 2. Insertion Loss



12/10/2019, 5:43 AM

