

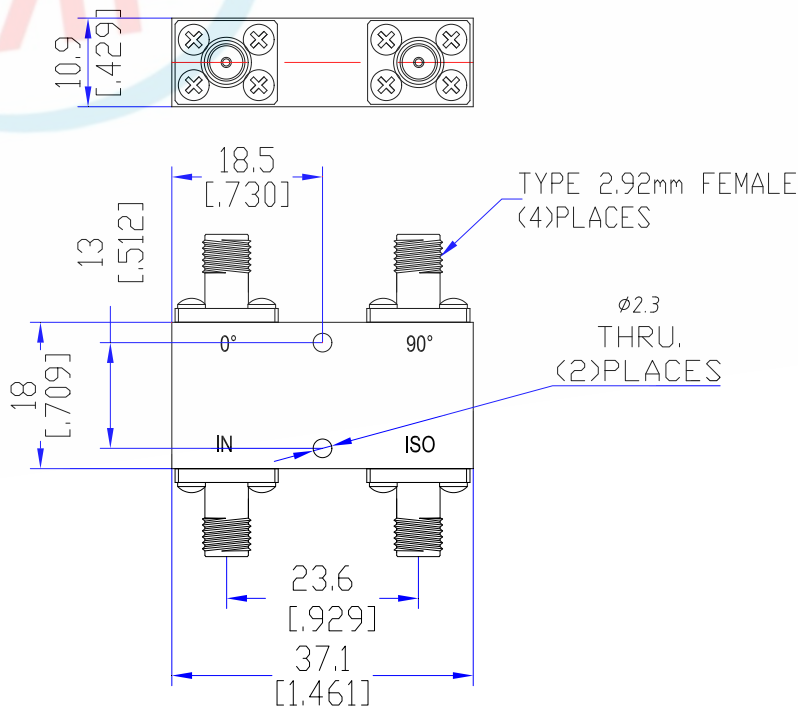
## Model THC170280A

### Features

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

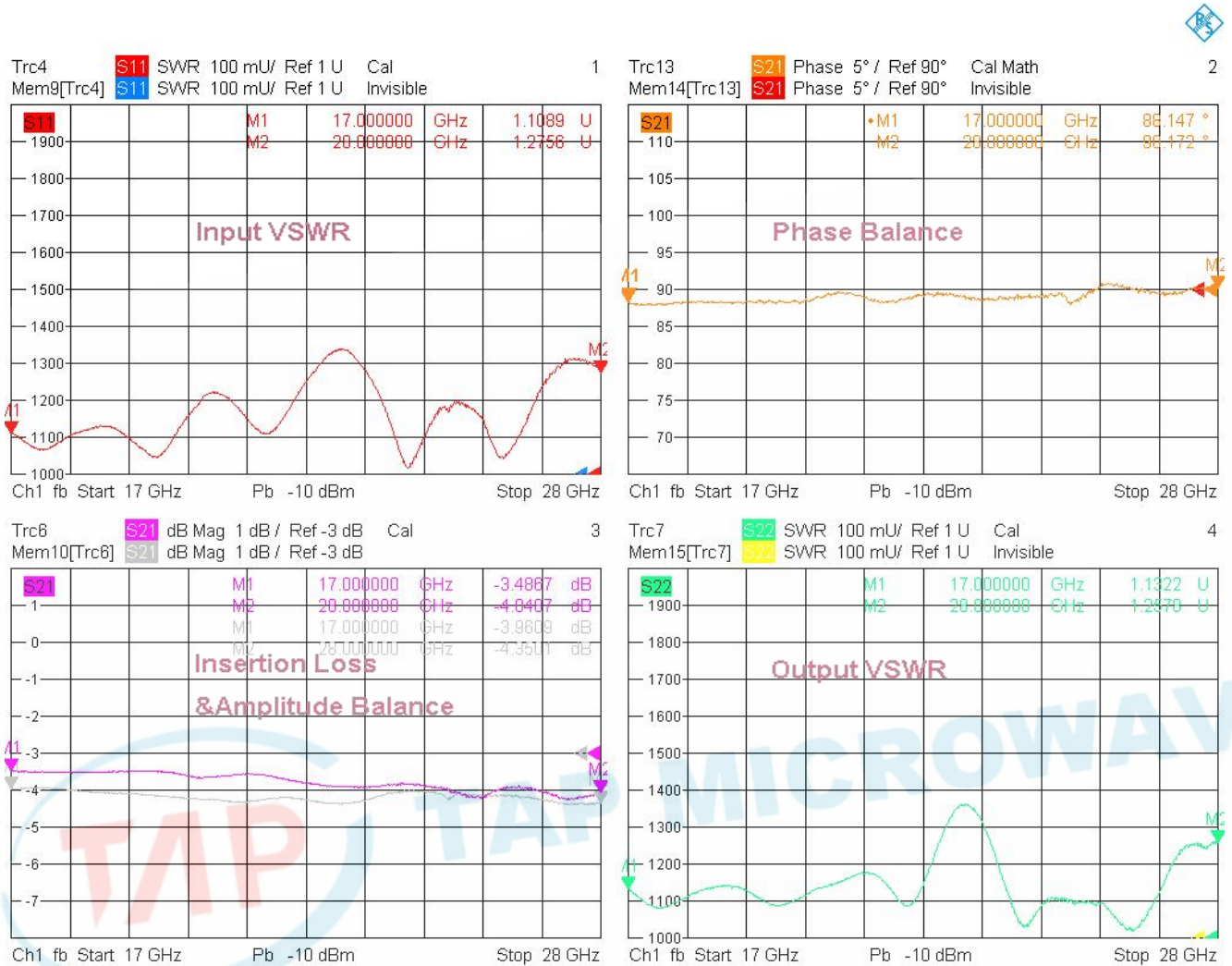
| Technical Data Sheet        |                              |                       |                              |
|-----------------------------|------------------------------|-----------------------|------------------------------|
| Frequency Range             | 17~28GHz                     | Finish                | Painted Blue_ RAL #5007      |
| Nominal Split               | 3.01dB                       | Connector Body        | Passivated Stainless Steel   |
| Insertion Loss              | ≤2.2dB                       | Housing               | Aluminum, 6061 T6            |
| Isolation                   | ≥12dB                        |                       | Clear Chem Conversion Film   |
| Amplitude Balance           | ≤±1.0dB                      | Connector Pin         | Beryllium Copper, Gold Plate |
| Phase Balance               | ≤±10°                        | Solder                | Lead Free, RoHS Compliant    |
| VSWR                        | ≤1.60:1                      | Operating Temperature | -55~+85°C                    |
| <sup>1</sup> Power Handling | Average ≤10Watt<br>Peak ≤1KW | Operating Humidity    | Up to 95%, Non- Condensing   |
| Impedance                   | 50Ω                          | Weight                | 30g                          |
| Port Connectors             | 2.92mm-Female                |                       |                              |

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



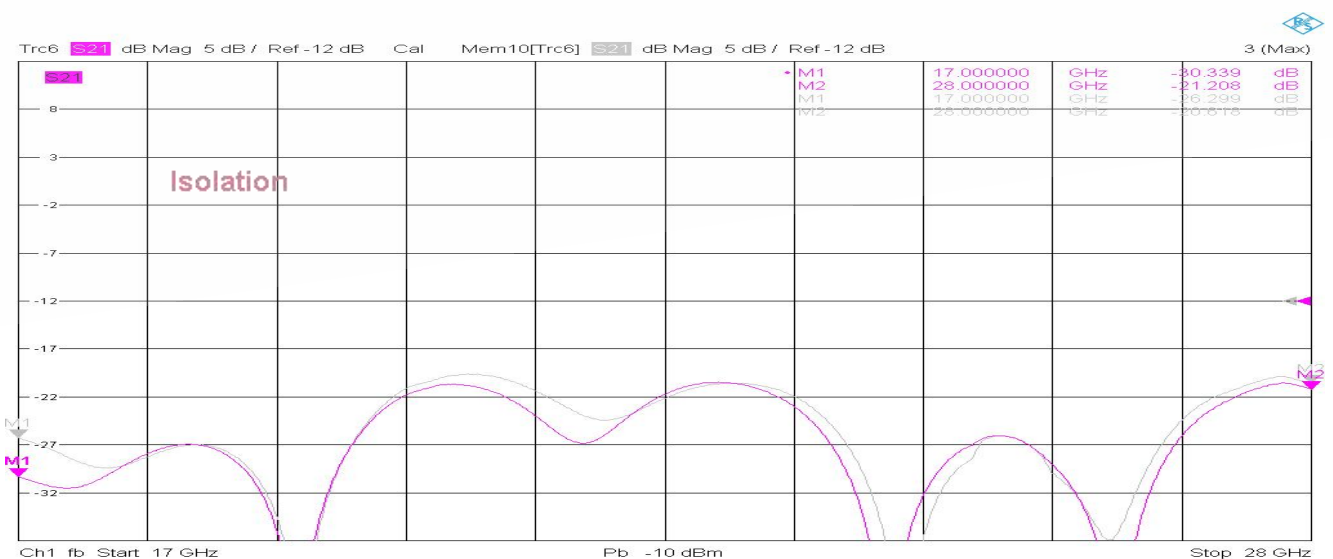
## Typical Performance

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



2/9/2023, 12:59 PM

### 2. Isolation



2/9/2023, 1:00 PM

