

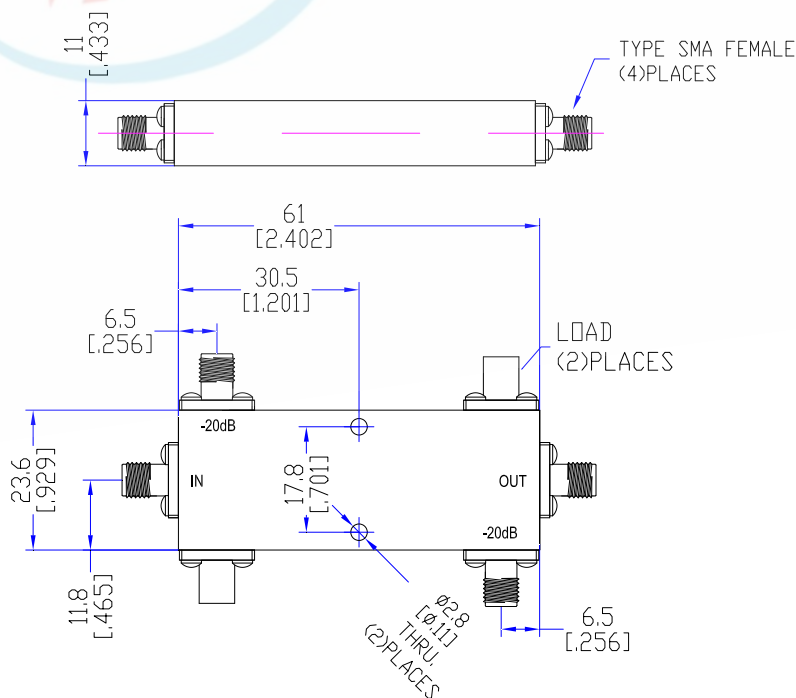
## Model TDC0714A20D

### Features

Low VSWR  
High Directivity  
Broadband & Miniature Size

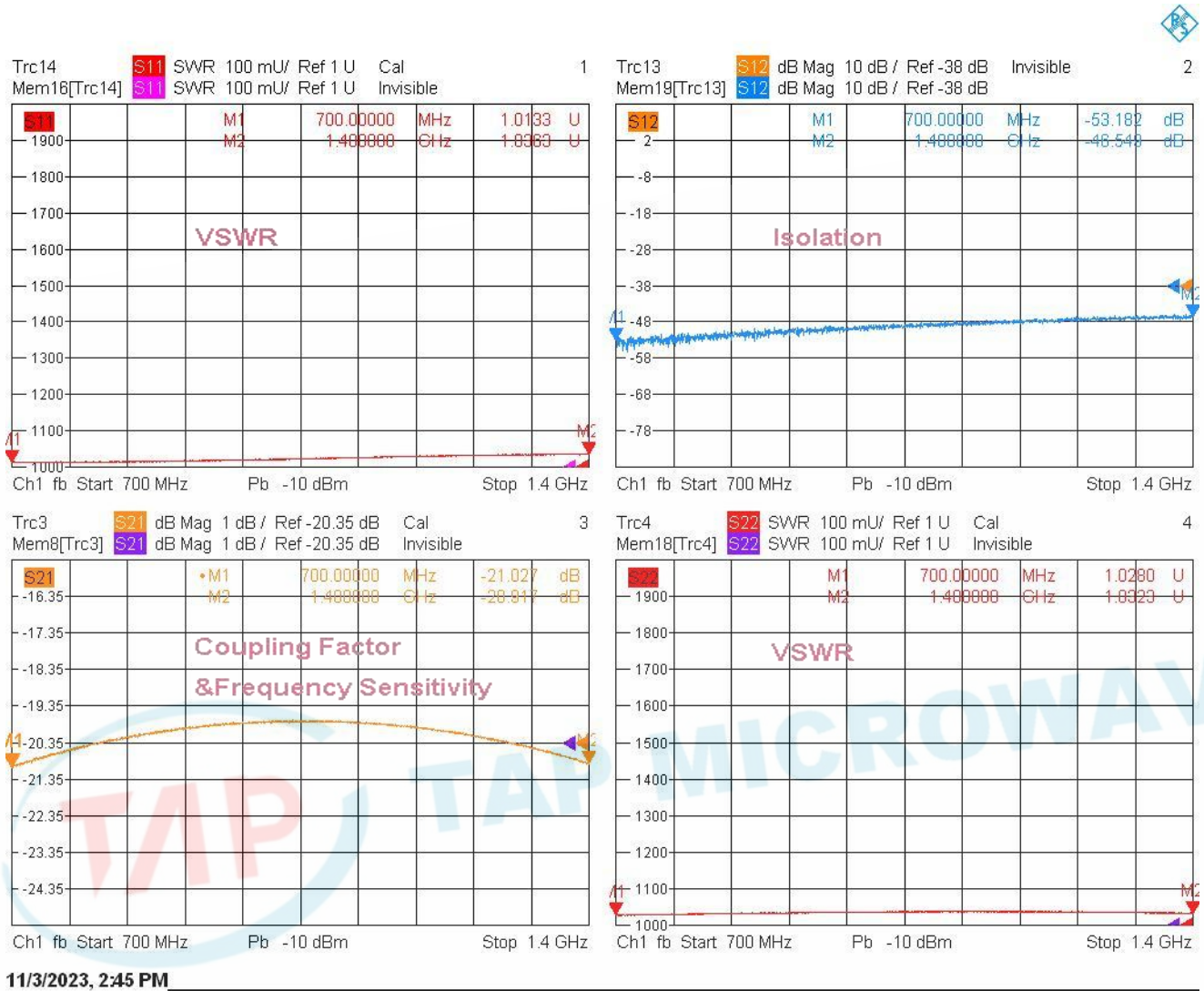
| Technical Data Sheet        |  |                       |   |
|-----------------------------|--|-----------------------|---|
| Frequency Range             | 0.7~1.4GHz                             | Finish                | Painted Blue_ RAL #5007                         |
| Insertion Loss              | ≤1.0dB (Excl. Coupling Loss 0.08dB)    | Connector Body        | Passivated Stainless Steel                      |
| Coupling Factor             | ≤20±1.0dB                              | Housing               | Aluminum, 6061 T6<br>Clear Chem Conversion Film |
| Coupling Sensitivity        | ≤±1.0dB                                | Connector Pin         | Beryllium Copper, Gold Plate                    |
| Directivity                 | ≥18dB                                  | Solder                | Lead Free, RoHS Compliant                       |
| VSWR                        | Primary ≤1.25:1<br>Secondary ≤1.25:1   | Operating Temperature | -55~+85°C                                       |
| <sup>1</sup> Power Handling | Incident ≤50Watt;<br>Reflected ≤50Watt | Operating Humidity    | Up to 95%, Non- Condensing                      |
| Impedance                   | 50Ω                                    | Weight                | 60g   |
| Port Connectors             | SMA-Female                             |                       |   |

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



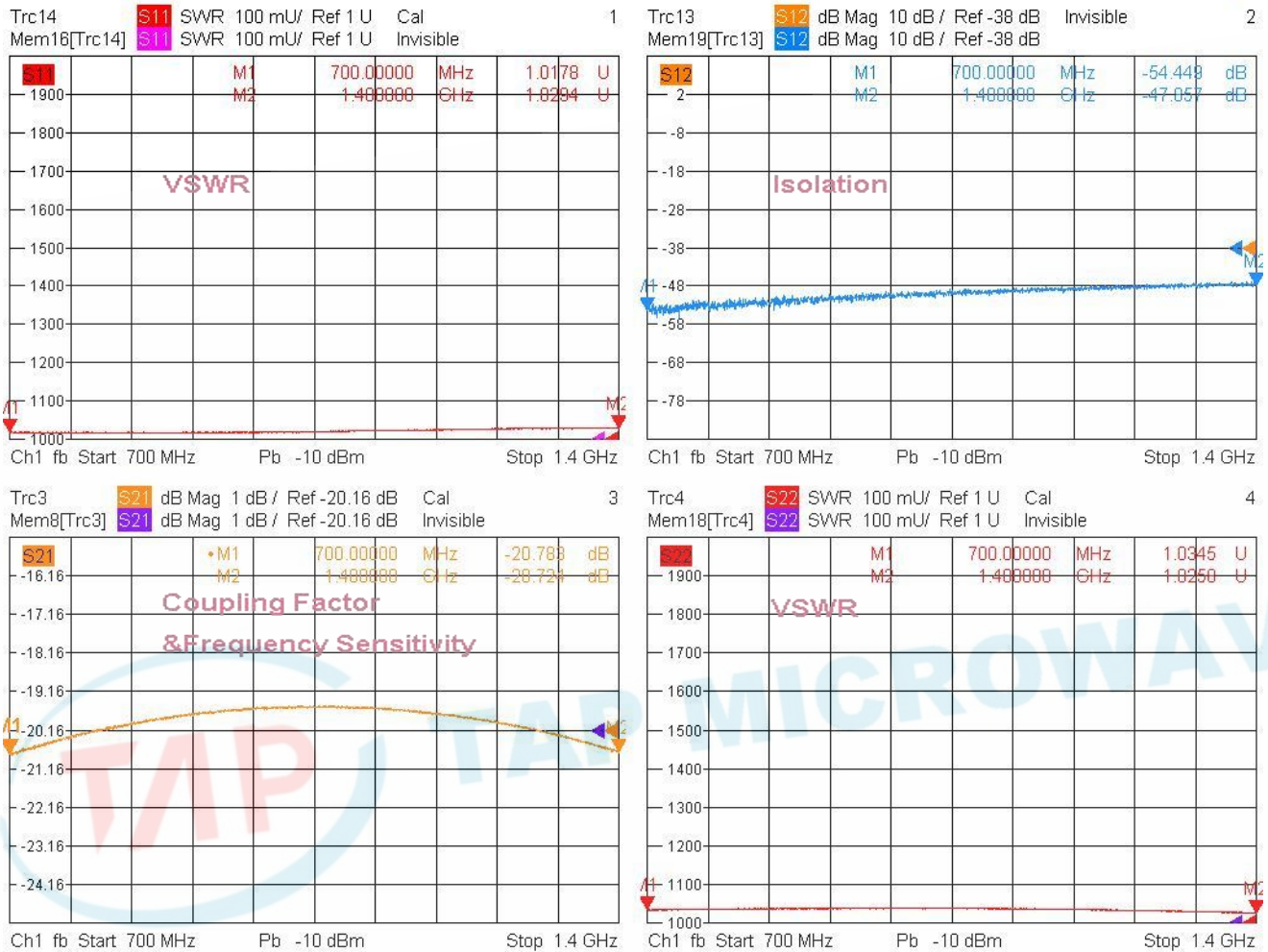
## Typical Performance

### 1. Coupling Factor & Sensitivity, Isolation, VSWR



## Typical Performance

### 2. Coupling Factor & Sensitivity, Isolation, VSWR



11/3/2023, 2:44 PM

### 3. Insertion Loss



11/3/2023, 2:48 PM

