

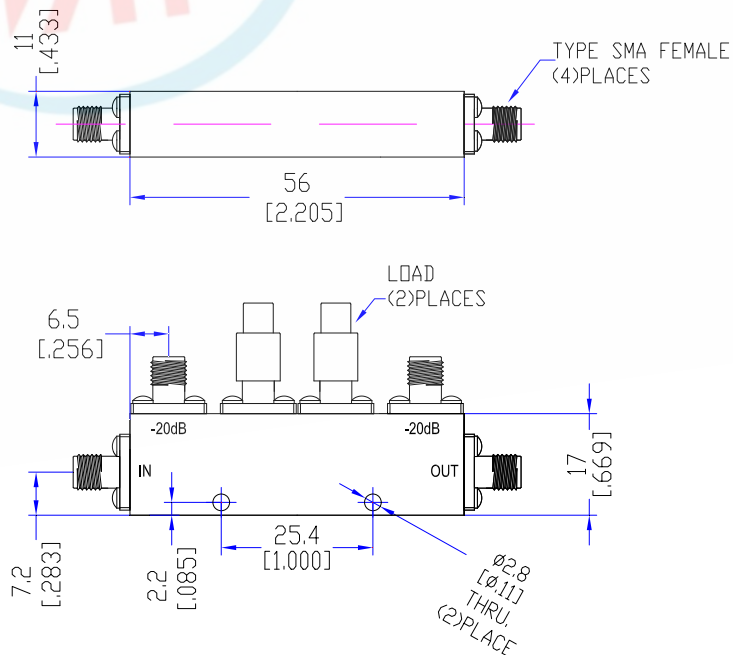
## Model TDC170220A20D

### Features

Low VSWR  
High Directivity  
Broadband & Miniature Size

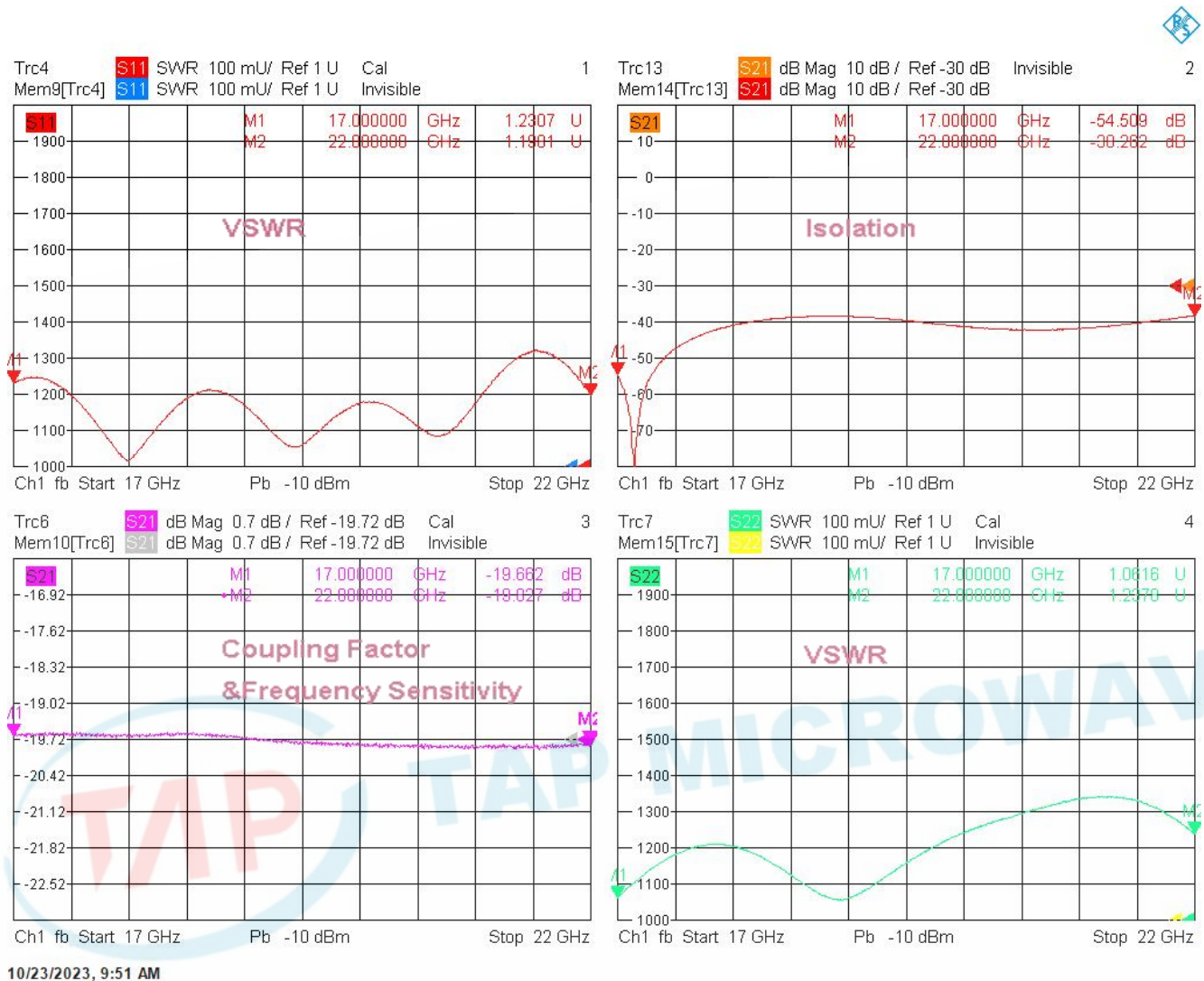
| Technical Data Sheet        |                                        |                       |                                                 |
|-----------------------------|----------------------------------------|-----------------------|-------------------------------------------------|
| Frequency Range             | 17~22GHz                               | Finish                | Painted Blue_ RAL #5007                         |
| Insertion Loss              | ≤1.8dB (True)                          | Connector Body        | Passivated Stainless Steel                      |
| Coupling Factor             | ≤20±0.7dB                              | Housing               | Aluminum, 6061 T6<br>Clear Chem Conversion Film |
| Coupling Sensitivity        | ≤±0.7dB                                | Connector Pin         | Beryllium Copper, Gold Plate                    |
| Directivity                 | ≥10dB                                  | Solder                | Lead Free, RoHS Compliant                       |
| VSWR                        | Primary ≤1.50:1<br>Secondary ≤1.50:1   | Operating Temperature | -55~+85℃                                        |
| <sup>1</sup> Power Handling | Incident ≤25Watt;<br>Reflected ≤10Watt | Operating Humidity    | Up to 95%,Non- Condensing                       |
| Impedance                   | 50Ω                                    | Weight                | 40g                                             |
| Port Connectors             | SMA-Female                             |                       |                                                 |

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



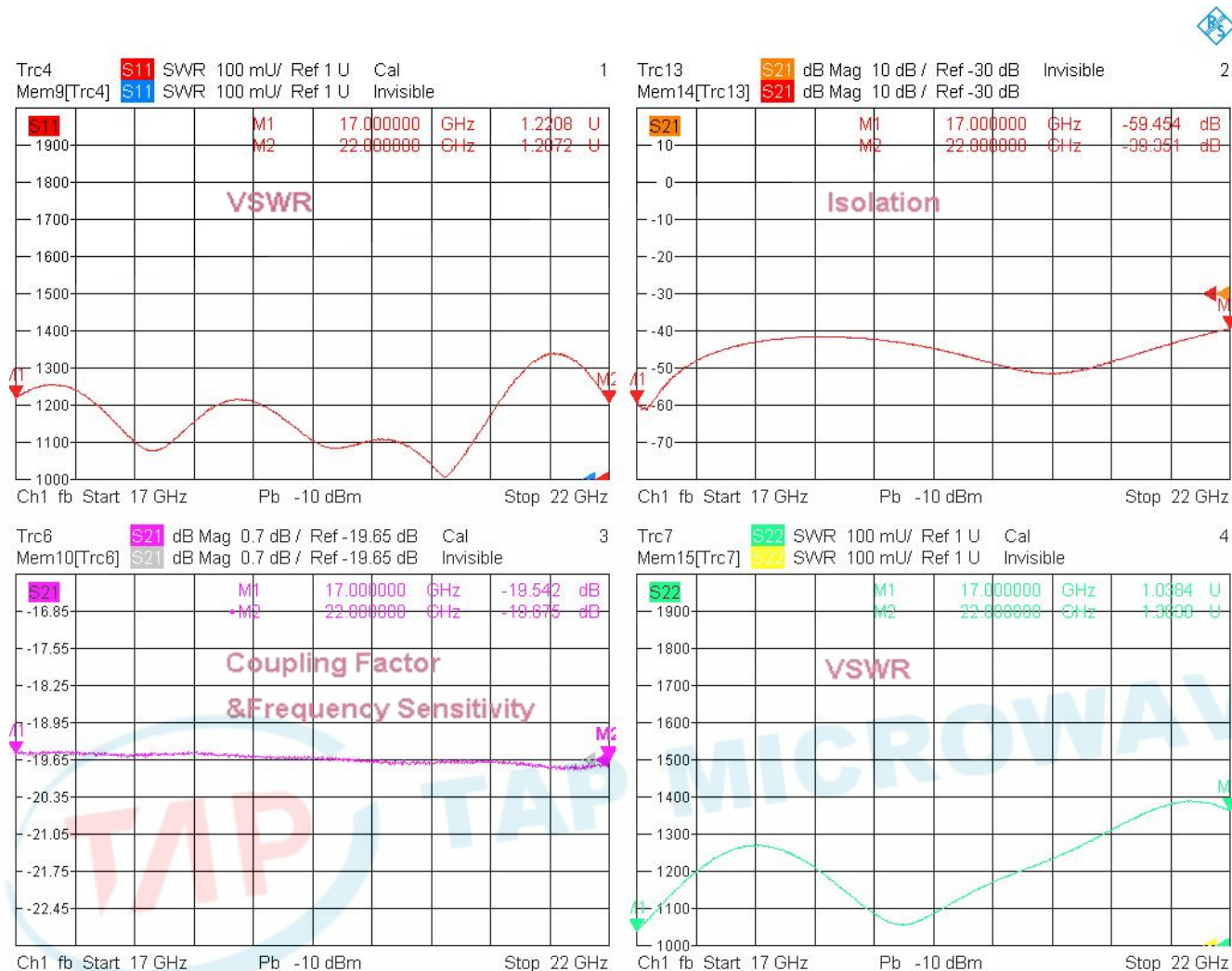
## Typical Performance

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



## Typical Performance

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



10/23/2023, 9:52 AM

### 3. Insertion Loss



10/23/2023, 9:52 AM

