

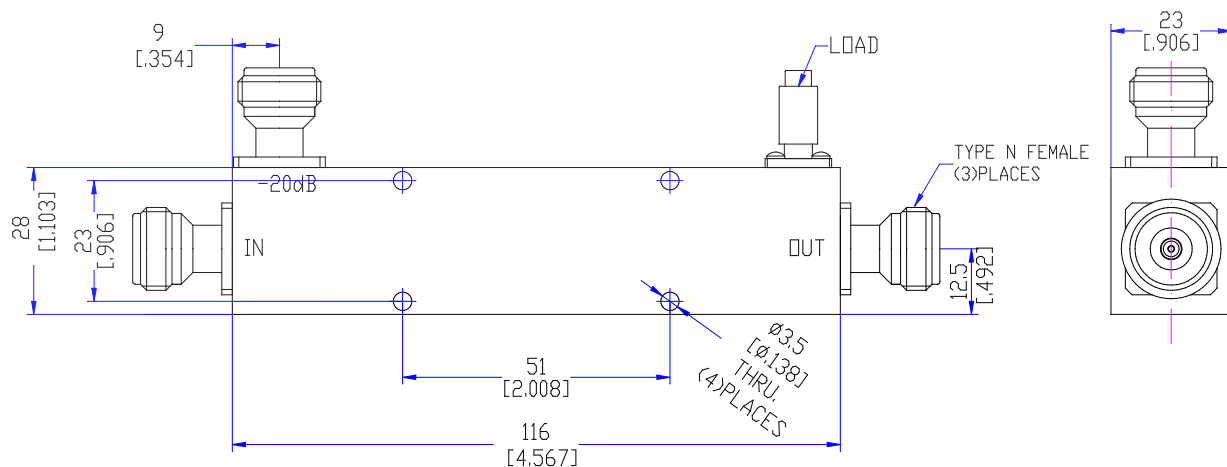
## Model TDC0822N20

### Features

Low VSWR  
High Directivity  
Broadband & Miniature Size

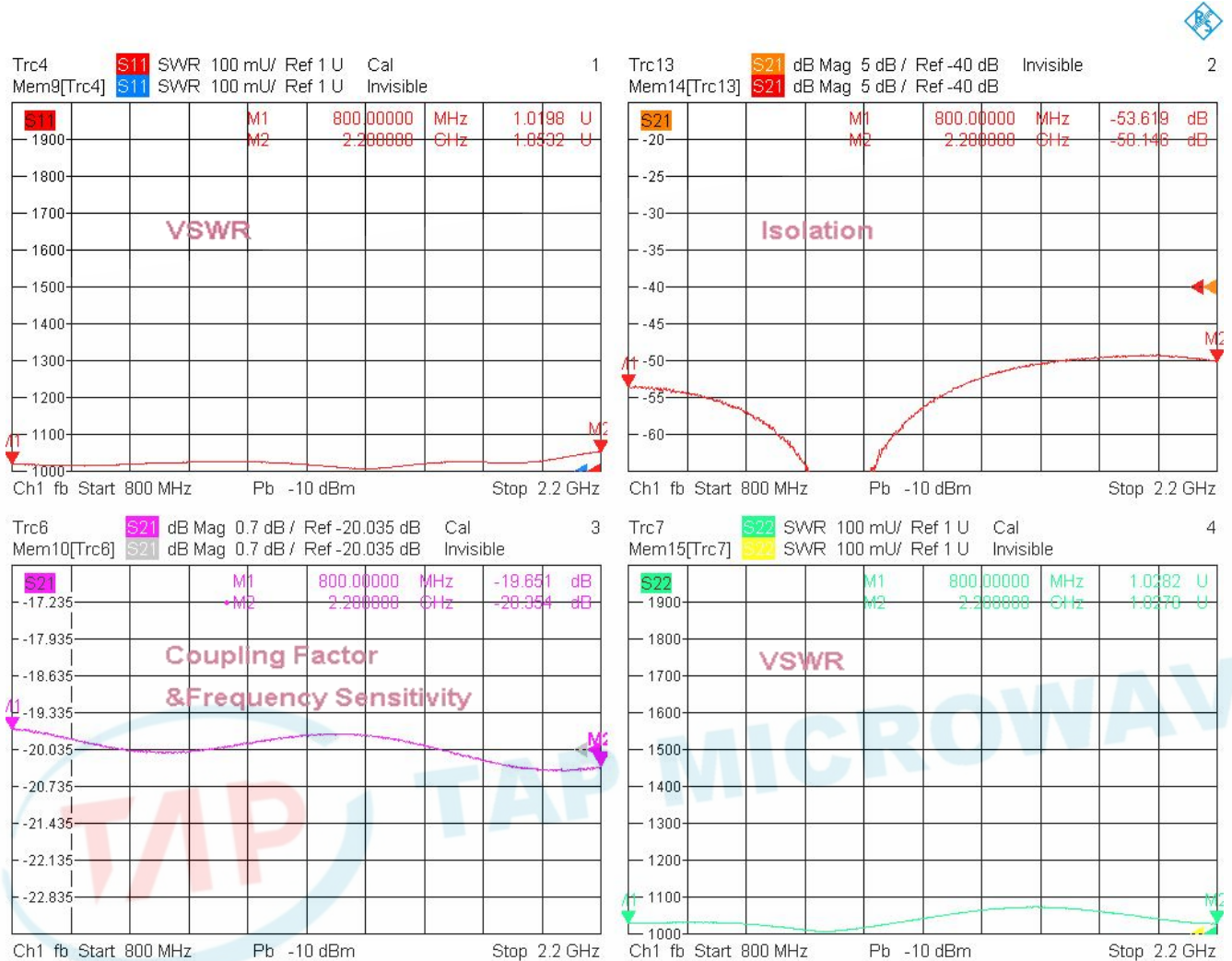
| Technical Data Sheet        |                                       |                       |                                                 |
|-----------------------------|---------------------------------------|-----------------------|-------------------------------------------------|
| Frequency Range             | 0.8~2.2GHz                            | Finish                | Painted Blue_ RAL #5007                         |
| Insertion Loss              | ≤0.4dB (Excl. Coupling Loss 0.04dB)   | Connector Body        | Brass, Tri-Alloy Plate                          |
| Coupling Factor             | ≤20±1dB                               | Housing               | Aluminum, 6061 T6<br>Clear Chem Conversion Film |
| Coupling Sensitivity        | ≤±0.7dB                               | Connector Pin         | Beryllium Copper, Gold Plate                    |
| Directivity                 | ≥20dB                                 | Solder                | Lead Free, RoHS Compliant                       |
| VSWR                        | Primary ≤1.20:1<br>Secondary ≤1.20:1  | Operating Temperature | -55~+85℃                                        |
| <sup>1</sup> Power Handling | Incident ≤60Watt;<br>Reflected ≤5Watt | Operating Humidity    | Up to 95%,Non- Condensing                       |
| Impedance                   | 50Ω                                   | Weight                | 230g                                            |
| Port Connectors             | N-Female                              |                       |                                                 |

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



## Typical Performance

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

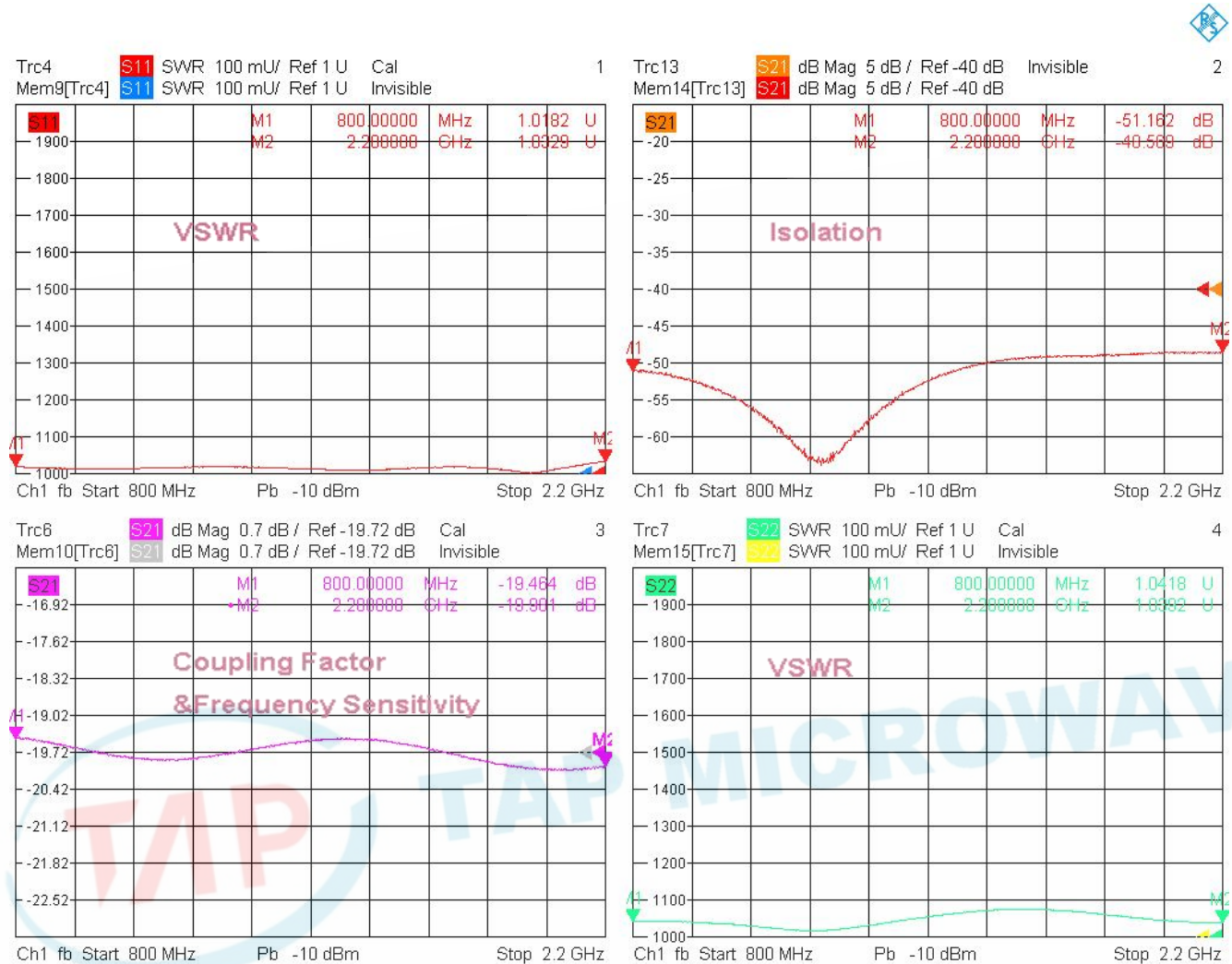


5/12/2023, 3:30 PM



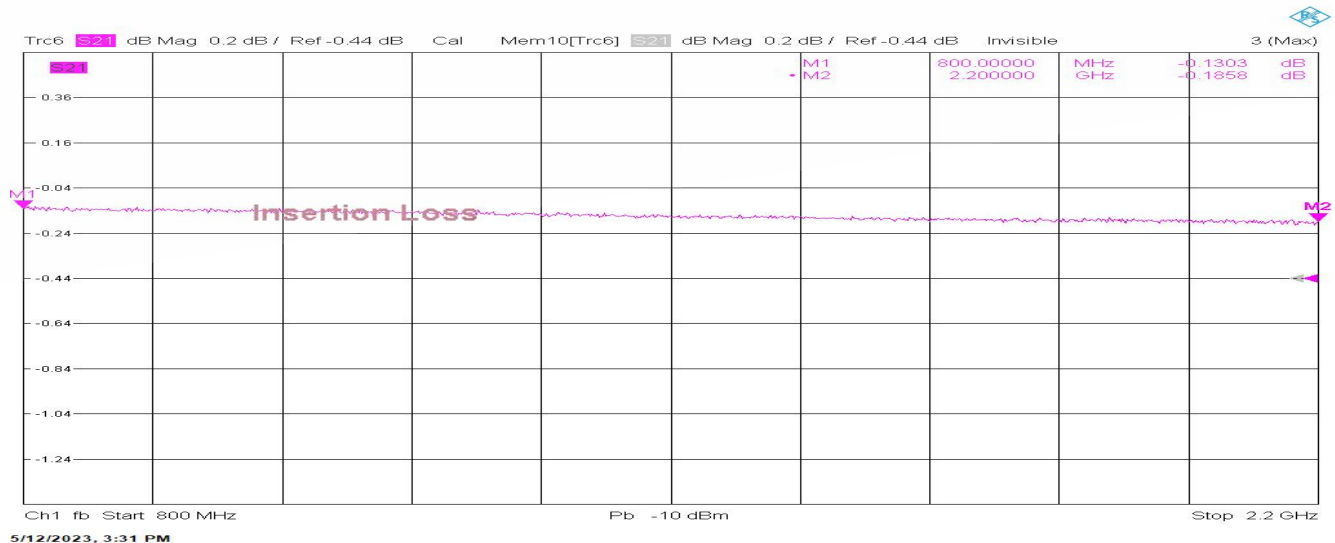
## Typical Performance

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



5/12/2023, 3:33 PM

### 3. Insertion Loss



5/12/2023, 3:31 PM

