

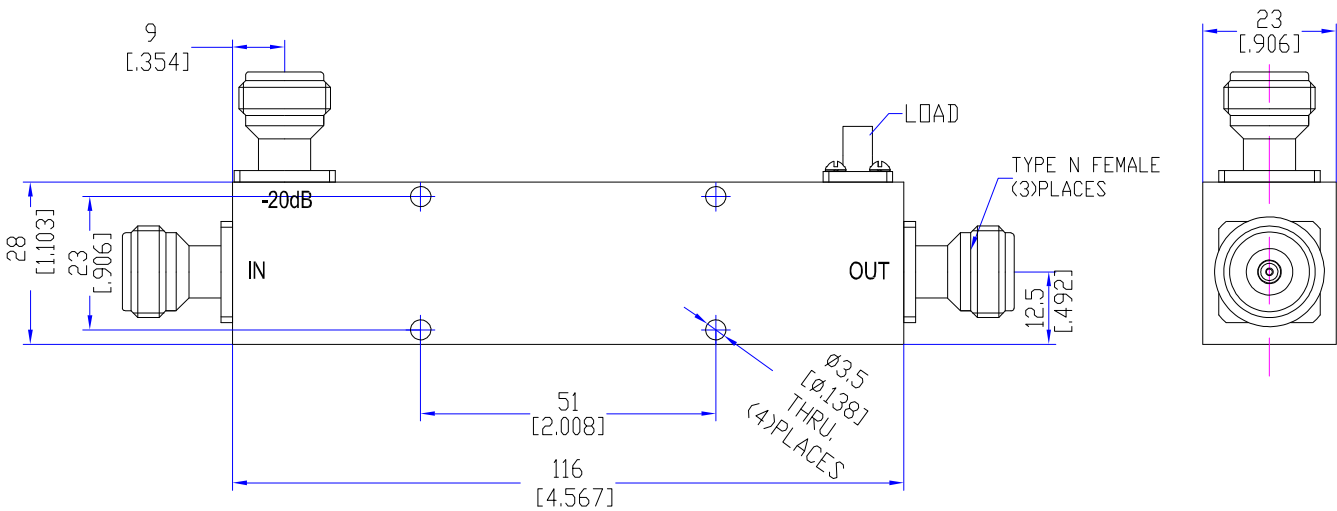
## Model TDC0580N20H

### Features

Low VSWR  
High Directivity  
Broadband & Miniature Size

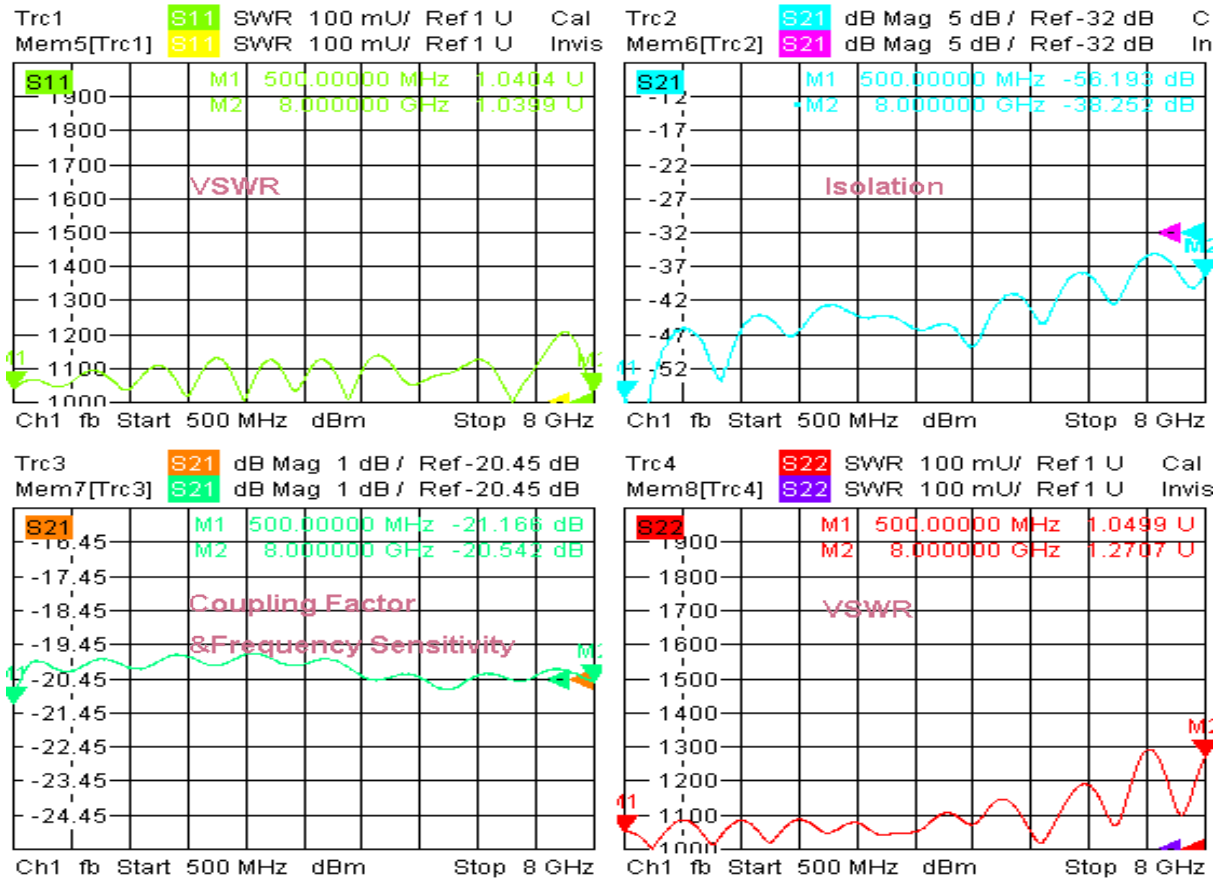
| Technical Data Sheet        |   |                       |   |
|-----------------------------|---|-----------------------|---|
| Frequency Range             | 0.5~8.0GHz                              | Finish                | Natural oxygen                                  |
| Insertion Loss              | ≤0.7dB (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        | ≤±1.0dB                                 | Connector Pin         | Beryllium Copper, Gold Plate                    |
| Directivity                 | ≥12dB                                   | Solder                | Lead Free, RoHS Compliant                       |
| VSWR                        | Primary ≤1.40:1<br>Secondary ≤1.40:1    | Operating Temperature | -40~+85°C                                       |
| <sup>1</sup> Power Handling | Incident ≤150Watt;<br>Reflected ≤10Watt | Operating Humidity    | Up to 95%, Non- Condensing                      |
| Impedance                   | 50Ω                                     | Weight                | 260g  |
| Port Connectors             | N-Female                                |                       |   |

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



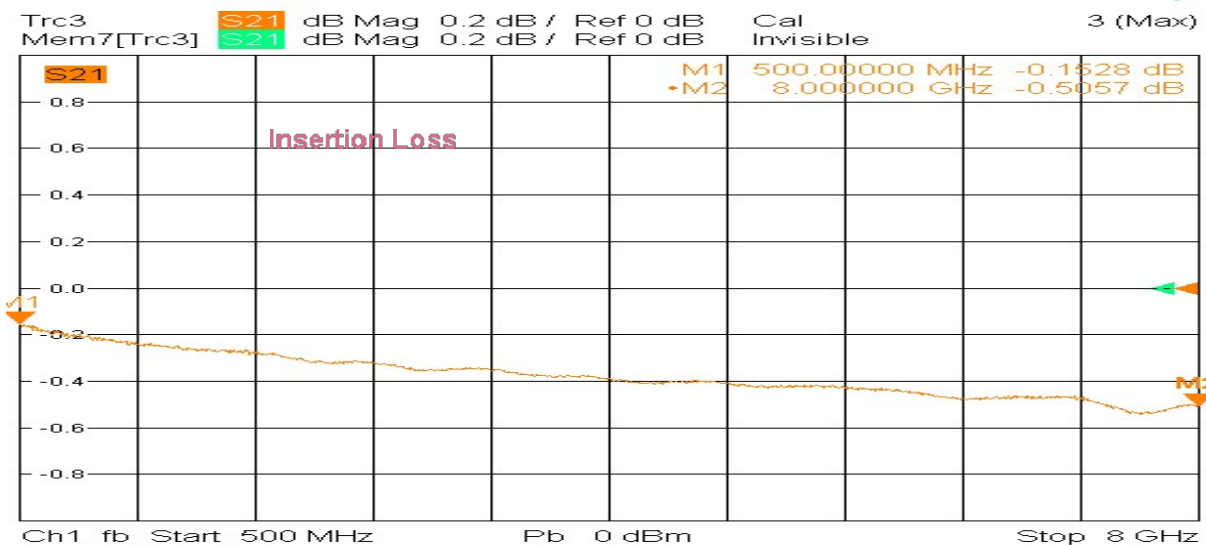
## Typical Performance

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



9/18/2020, 11:36 AM

### 2. Insertion Loss



9/18/2020, 11:37 AM

