

## Model TDC0520A6A

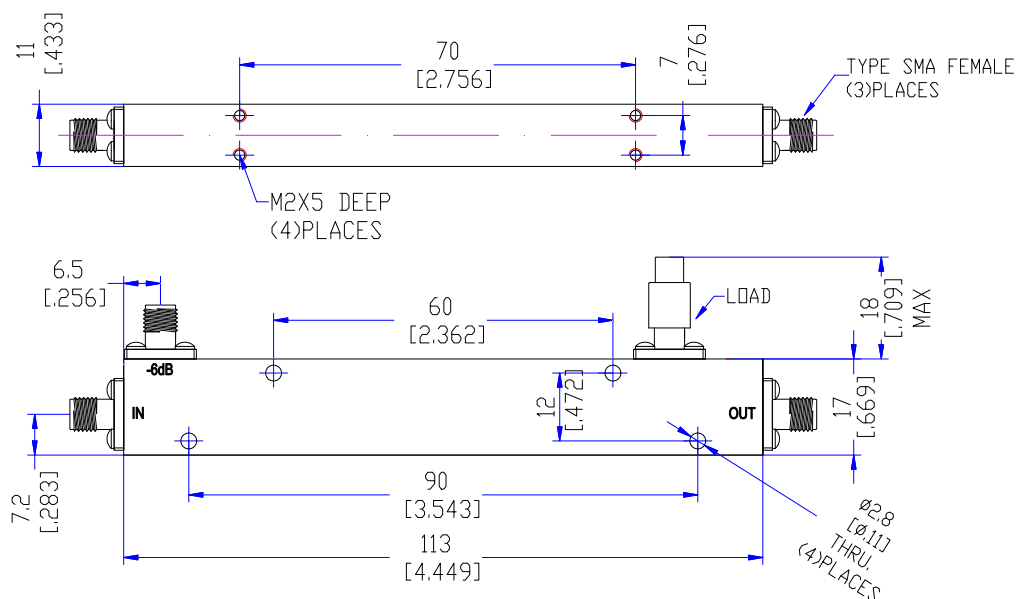
### Features

Low VSWR  
High Directivity  
Broadband & Miniature Size

### Technical Data Sheet

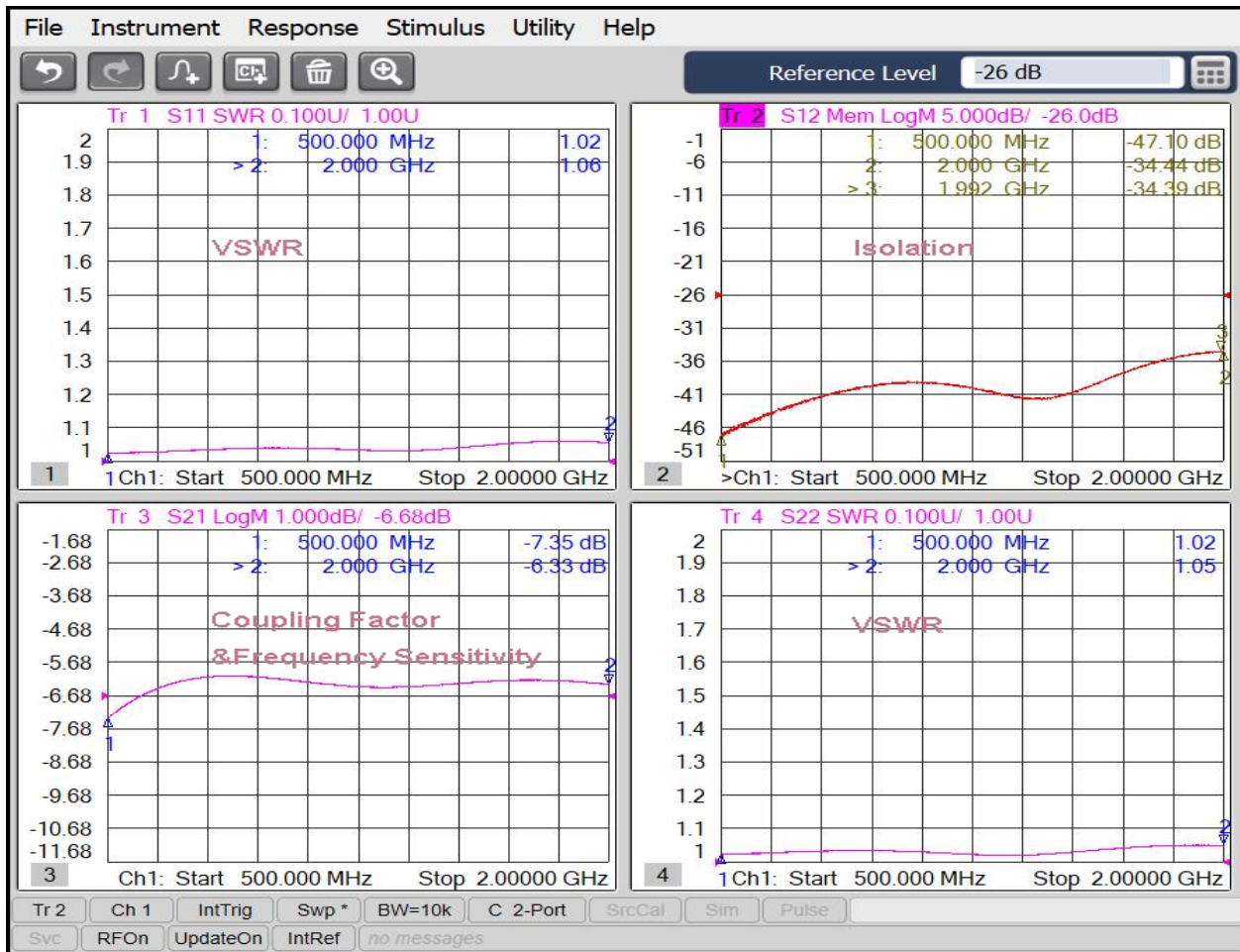
|                             |                                       |                       |                                                 |
|-----------------------------|---------------------------------------|-----------------------|-------------------------------------------------|
| Frequency Range             | 500~2000MHz                           | Finish                | Painted Black                                   |
| Insertion Loss              | ≤0.6dB (Excl. Coupling Loss 1.26dB)   | Connector Body        | Passivated Stainless Steel                      |
| Coupling Factor             | ≤6±1.0dB                              | Housing               | Aluminum, 6061 T6<br>Clear Chem Conversion Film |
| Coupling Sensitivity        | ≤±1.0dB                               | 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 ≤50Watt;<br>Reflected ≤2Watt | Operating Humidity    | Up to 95%, Non-Condensing                       |
| Impedance                   | 50Ω                                   | Weight                | 70g                                             |
| 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



### 2. Insertion Loss

