

## Model TPD0380A8

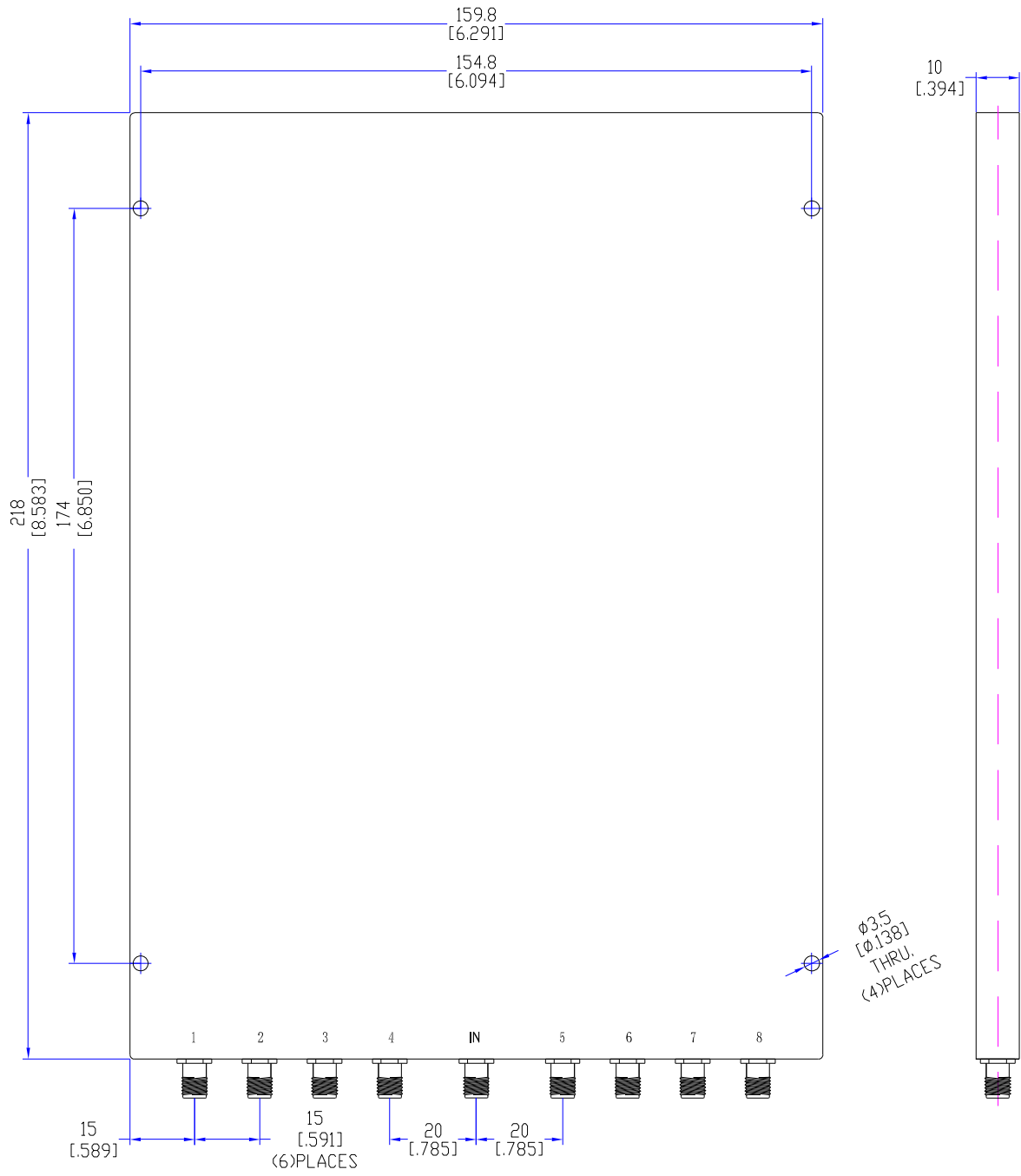
### Features

Excellent phase& amplitude balance  
Low Insertion Loss& VSWR  
High Isolation

| Technical Data Sheet        |                                     |                       |                                                 |
|-----------------------------|-------------------------------------|-----------------------|-------------------------------------------------|
| Frequency Range             | 0.3~8.0GHz                          | Finish                | Painted Blue_ RAL #5007                         |
| Insertion Loss              | ≤6.0dB<br>(Above 9.03dB Split)      | Connector Body        | Brass, Tri-Alloy Plate                          |
| VSWR                        | Input ≤2.10:1<br>Output ≤1.75:1     | Housing               | Aluminum, 6061 T6<br>Clear Chem Conversion Film |
| Isolation                   | ≥13dB                               | Connector Pin         | Beryllium Copper, Gold Plate                    |
| Amplitude Balance           | ≤±1dB                               | Solder                | Lead Free, RoHS Compliant                       |
| Phase Balance               | ≤±12°                               | Operating Temperature | -55~+85°C                                       |
| <sup>1</sup> Power Handling | Forward ≤10Watt;<br>Reversed ≤1Watt | Operating Humidity    | Up to 95%, Non- Condensing                      |
| Impedance                   | 50Ω                                 | Weight                | 630g                                            |
| Port Connectors             | SMA-Female                          |                       |                                                 |

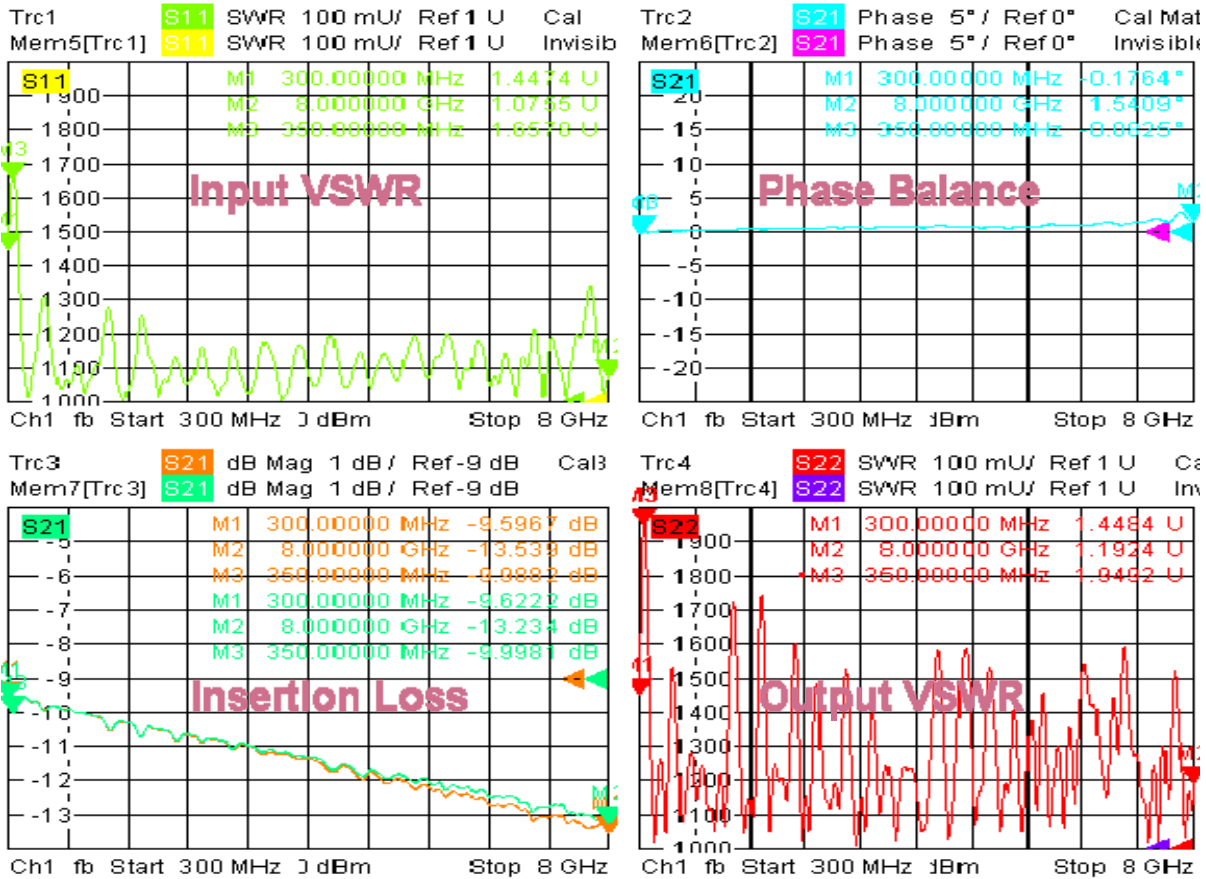
<sup>1</sup>Power Handling guaranteed when load's VSWR within 1.50:1.





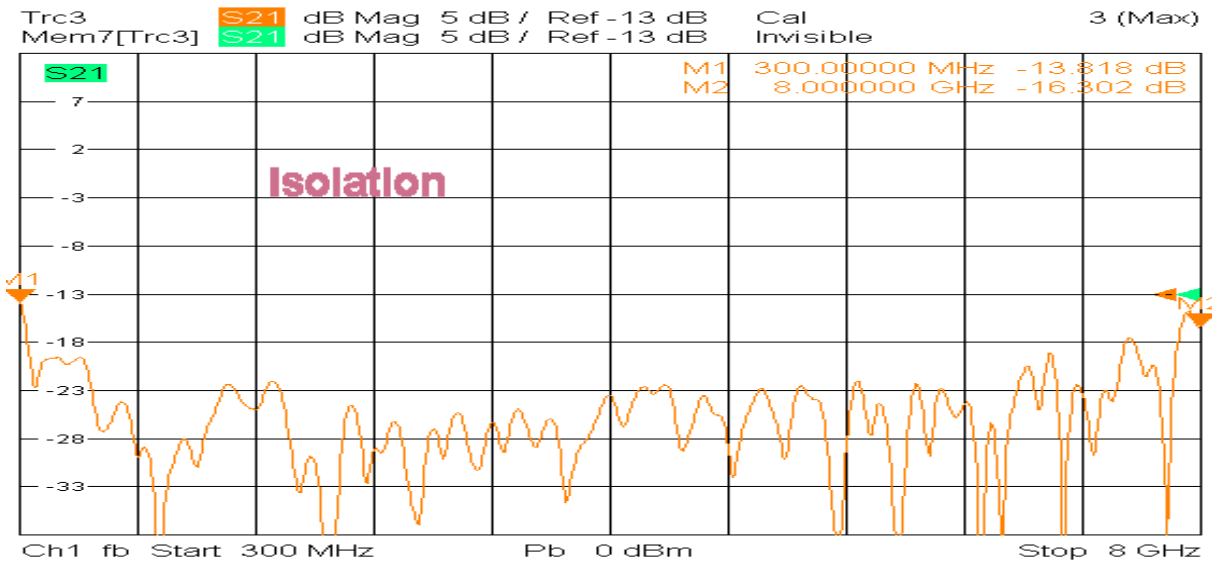
## Typical Performance

### 1. Insertion Loss, Amplitude & Phase Balance, VSWR



7/26/2018, 6:27 PM

### 2. Isolation



7/26/2018, 6:07 PM

