

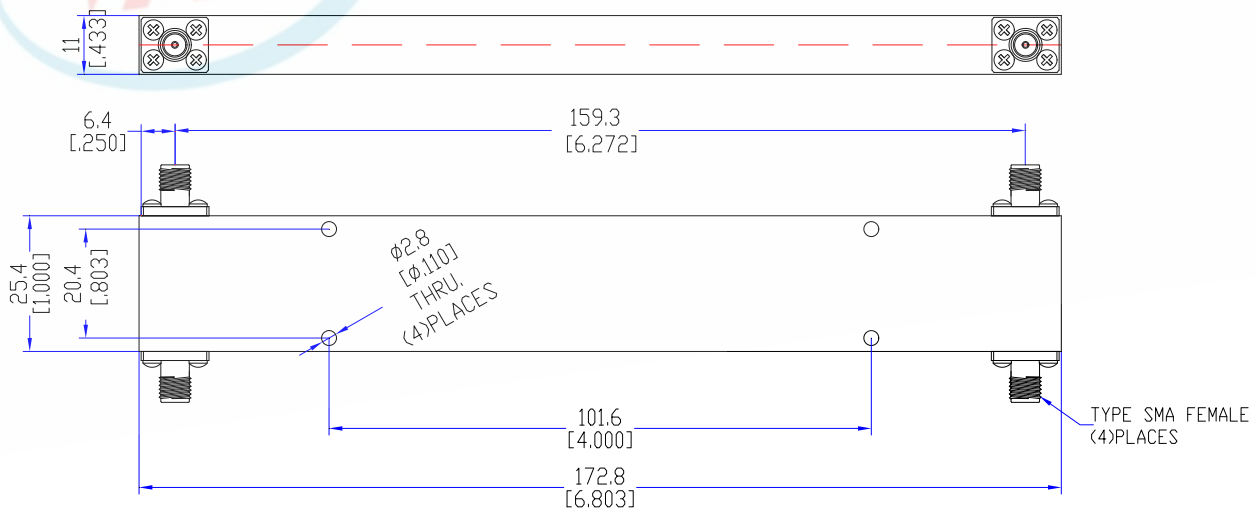
## Model THC05180A

### Features

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

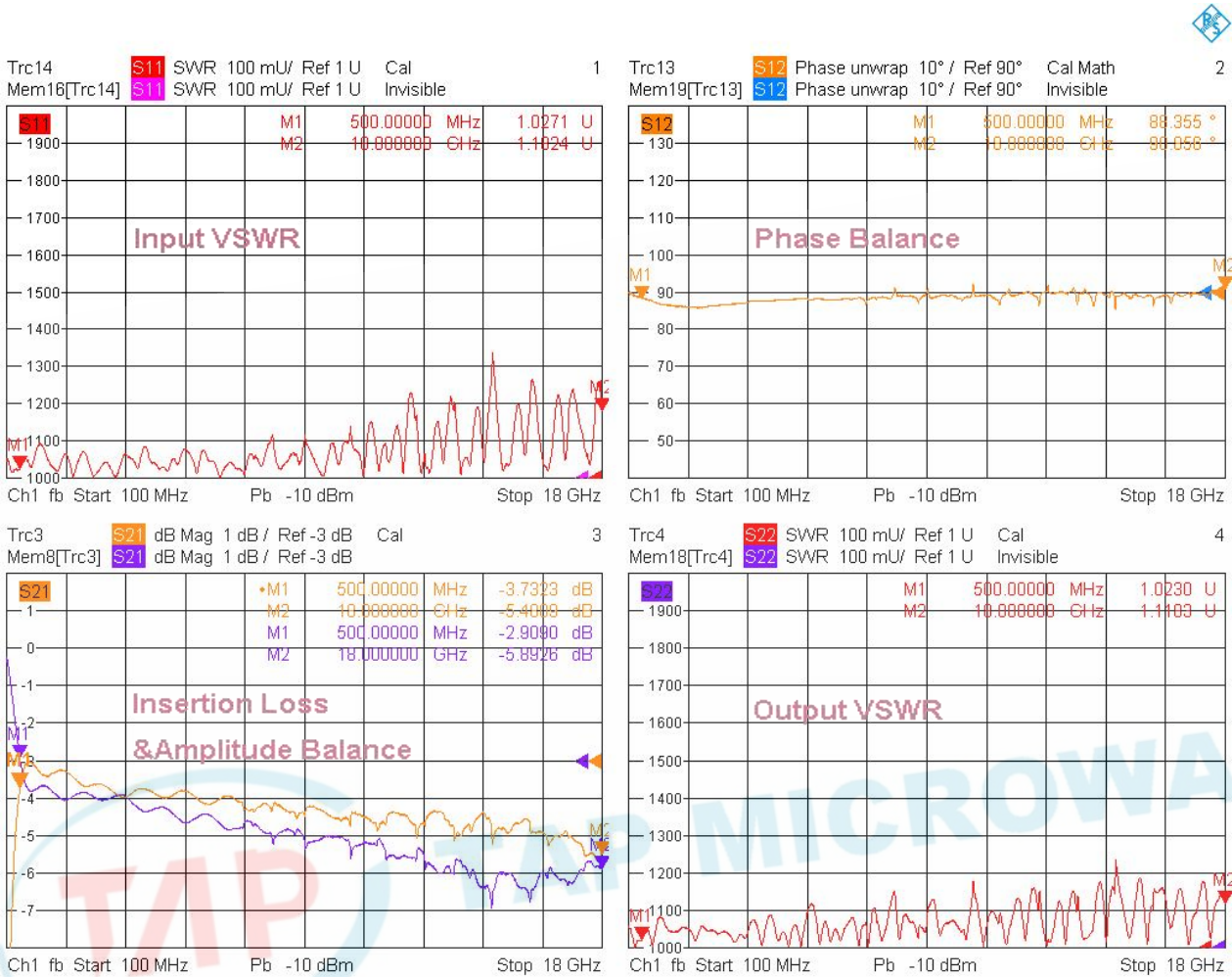
Technical Data Sheet			
Frequency Range	0.5~18GHz	Finish	Painted Blue_ RAL #5007
Nominal Split	3.01dB	Connector Body	Passivated Stainless Steel
Insertion Loss	≤3.0dB	Housing	Aluminum, 6061 T6
Isolation	≥16dB		Clear Chem Conversion Film
Amplitude Balance	≤±1.2dB	Connector Pin	Beryllium Copper, Gold Plate
Phase Balance	≤±12°	Solder	Lead Free, RoHS Compliant
VSWR	≤1.60:1	Operating Temperature	-55~+85°C
<sup>1</sup> Power Handling	Average ≤20Watt Peak ≤0.5KW	Operating Humidity	Up to 95%, Non-Condensing
Impedance	50Ω	Weight	150g
Port Connectors	SMA-Female		

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



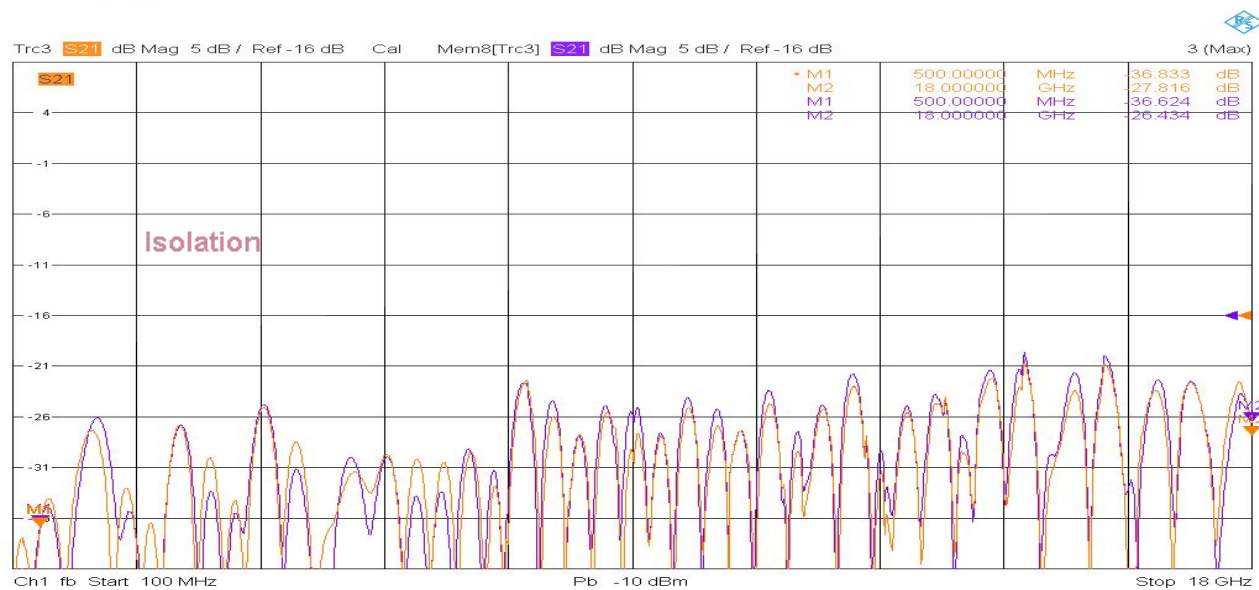
## Typical Performance

### 1. Insertion Loss, Amplitude & Phase Balance, VSWR\_90°



9/23/2024, 9:31 AM

### 3. Isolation



9/23/2024, 9:33 AM

