

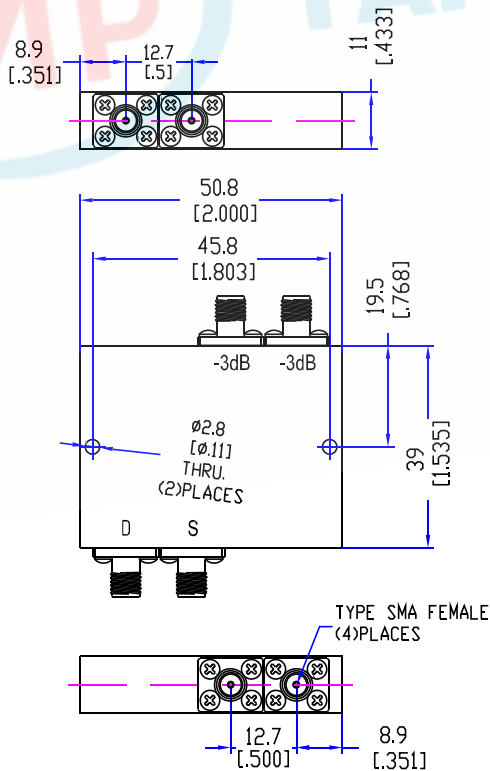
## Model THC120180B

### Features

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

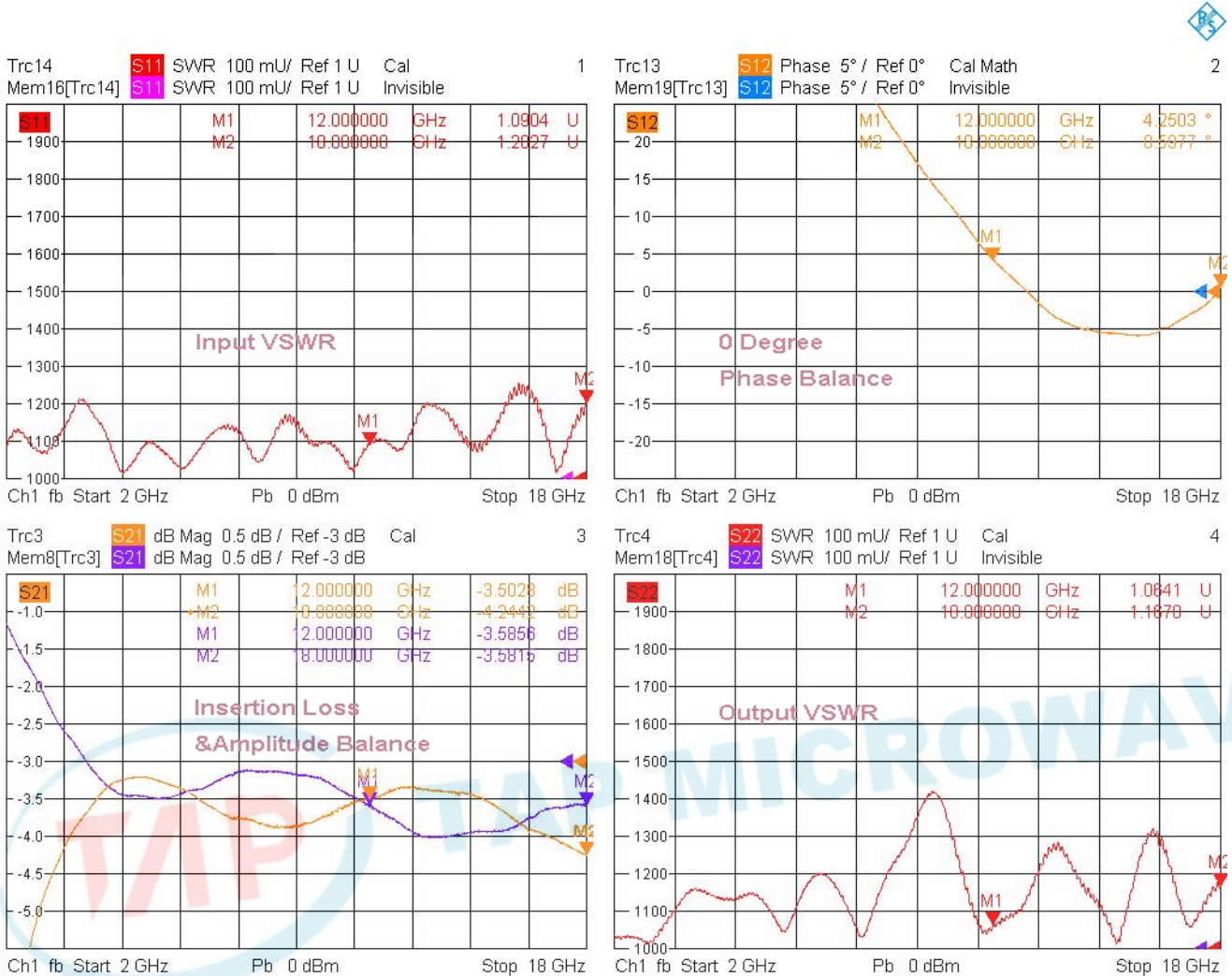
Technical Data Sheet			
Frequency Range	12~18GHz	Finish	Painted Blue_ RAL #5007
Nominal Split	3.01dB	Connector Body	Passivated Stainless Steel
Insertion Loss	≤2.2dB	Housing	Aluminum, 6061 T6
Isolation	≥16dB		Clear Chem Conversion Film
Amplitude Balance	≤±1.0dB	Connector Pin	Beryllium Copper, Gold Plate
Phase Balance	≤±12°	Solder	Lead Free, RoHS Compliant
VSWR	≤1.80:1	Operating Temperature	-55~+85°C
<sup>1</sup> Power Handling	Average ≤20Watt Peak ≤1KW	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	30g
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<sub>-0°</sub>

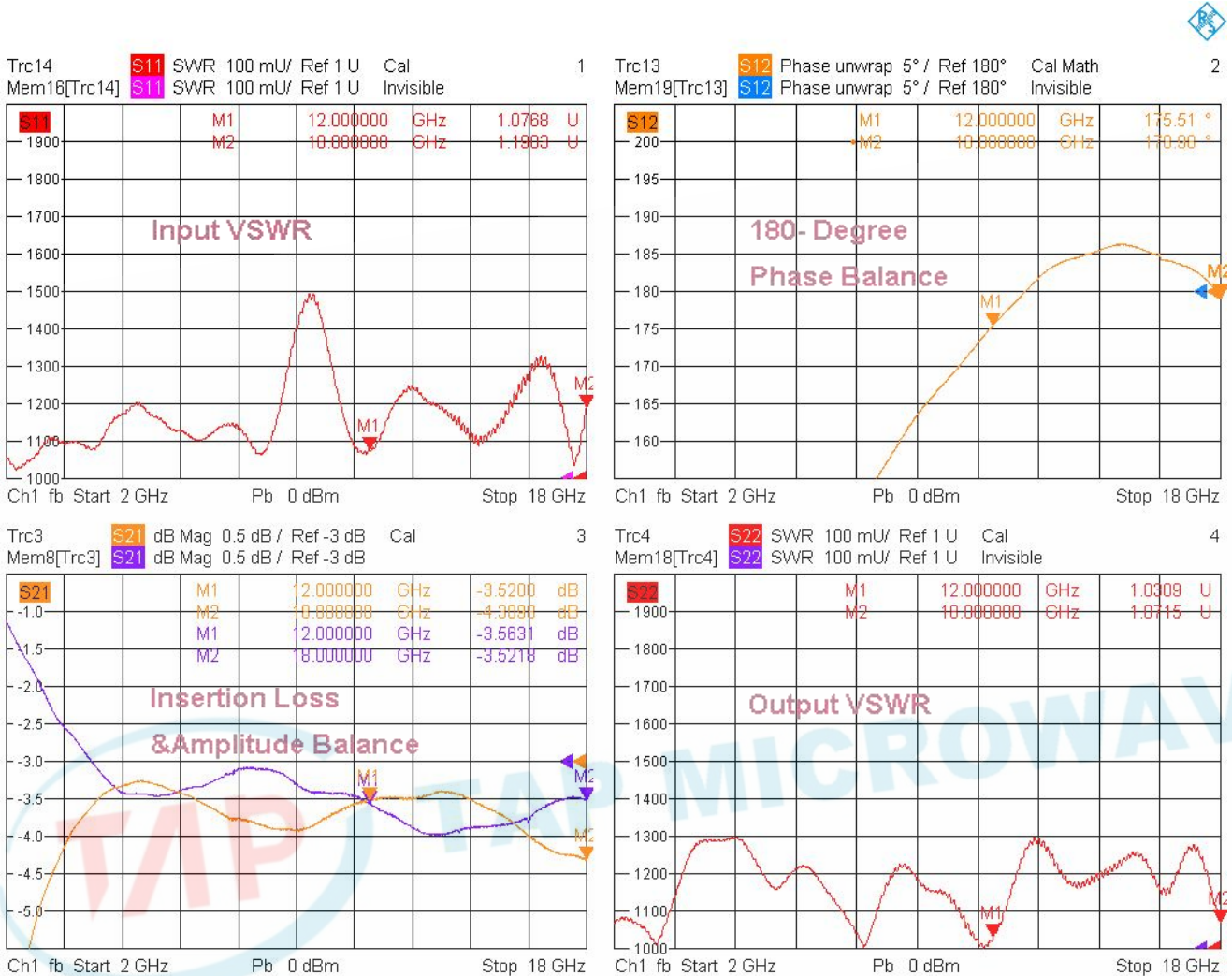


3/31/2023, 12:05 PM



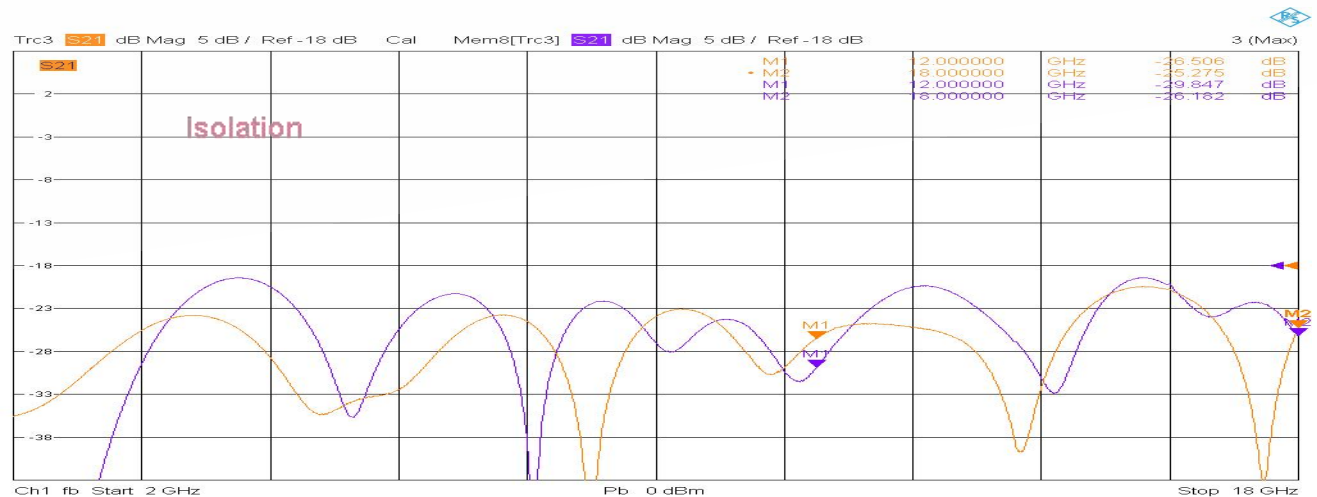
## Typical Performance

### 2. Insertion Loss, Amplitude & Phase Balance, VSWR \_ 180°



3/31/2023, 12:06 PM

### 3. Isolation



3/31/2023, 12:07 PM

