

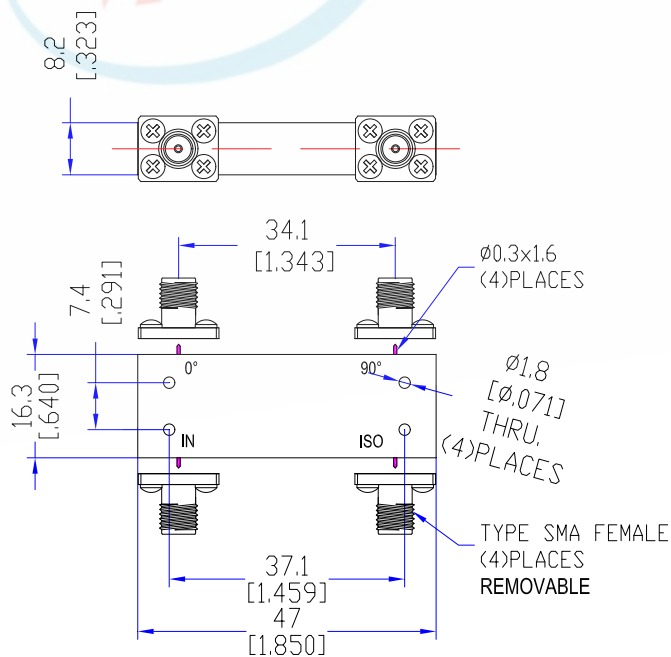
## Model THC2080S2

### Features

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

Technical Data Sheet			
Frequency Range	2~8GHz	Finish	Natural oxygen
Nominal Split	3.01dB	Connector Body	Passivated Stainless Steel
Insertion Loss	≤0.8dB	Housing	Aluminum, 6061 T6
Isolation	≥20dB		Clear Chem Conversion Film
Amplitude Balance	≤±0.5dB	Connector Pin	Beryllium Copper, Gold Plate
Phase Balance	≤±5°	Solder	Lead Free, RoHS Compliant
VSWR	≤1.30:1	Operating Temperature	-55~+85°C
<sup>1</sup> Power Handling	Average ≤50Watt Peak ≤1KW	Operating Humidity	Up to 95%, Non-Condensing
Impedance	50Ω	Weight	30g
Port Connectors	Drop-in Whole Round Pin (SMA-Female removable)		

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

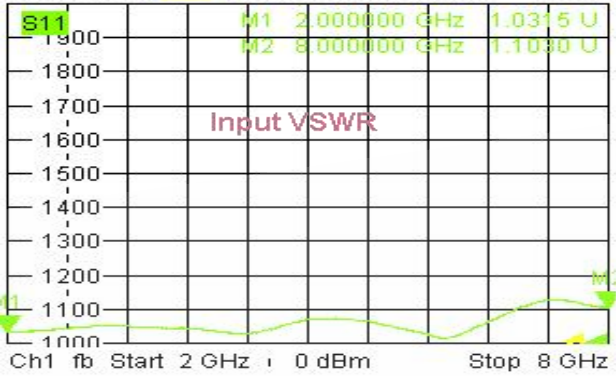


## Typical Performance

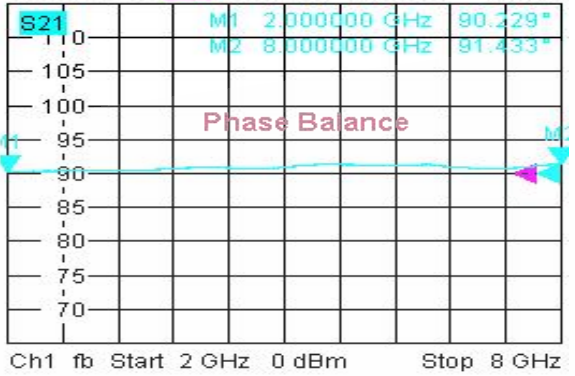
### 1. Insertion Loss, Amplitude & Phase Balance, VSWR



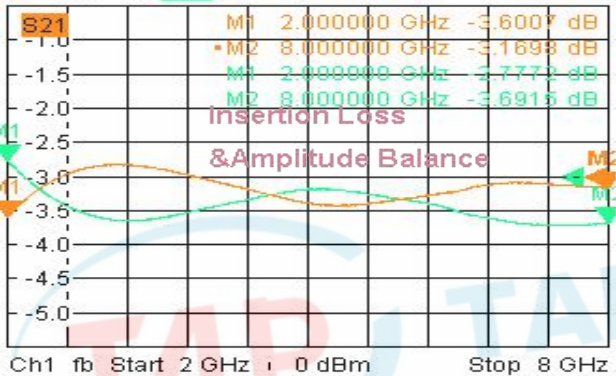
Trc1 Mem5[Trc1] S11 SWR 100 mU/ Ref 1 U Cal Invisib



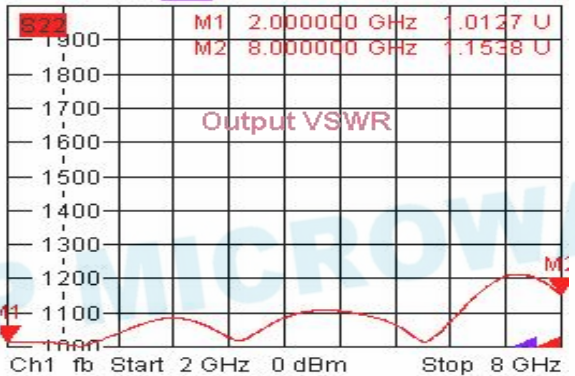
Trc2 Mem6[Trc2] S21 Phase 5° / Ref 90° Cal Ma Invisib



Trc3 Mem7[Trc3] S21 dB Mag 0.5 dB / Ref -3 dB Cal Invisib



Trc4 Mem8[Trc4] S22 SWR 100 mU/ Ref 1 U Cal Invisib

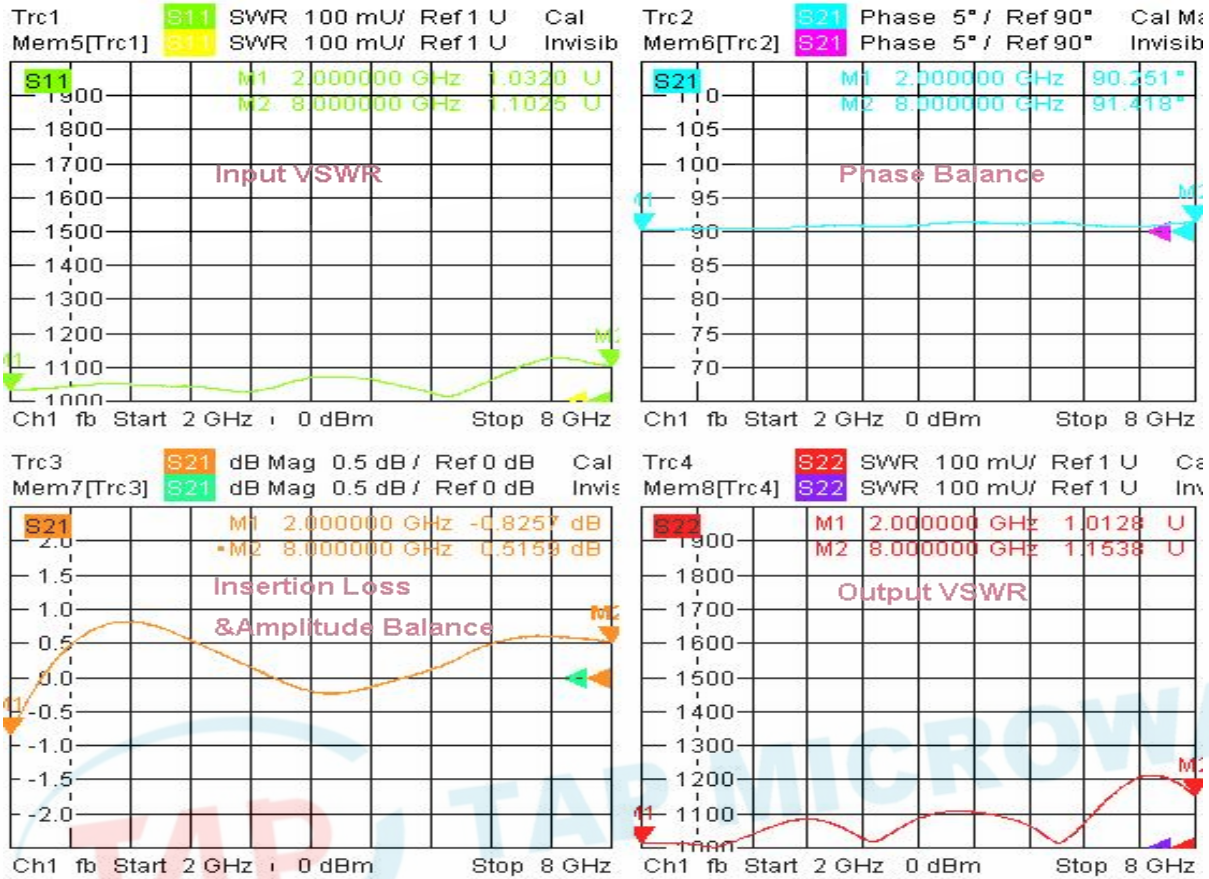


3/19/2021, 9:27 AM



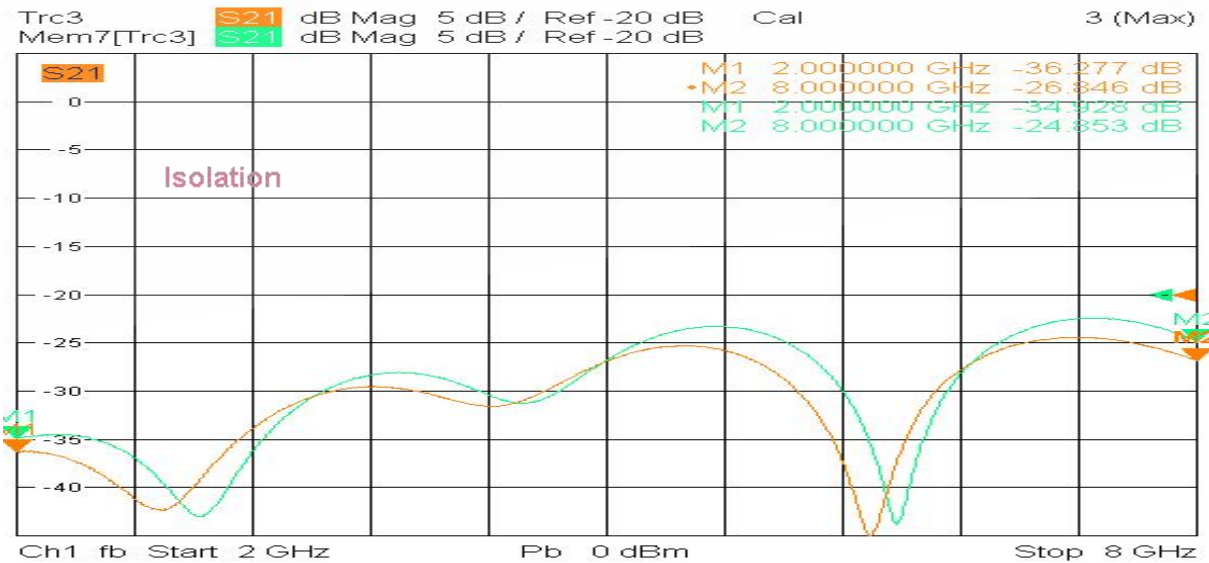
## Typical Performance

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



3/19/2021, 9:26 AM

### 3. Isolation



3/19/2021, 9:31 AM

