

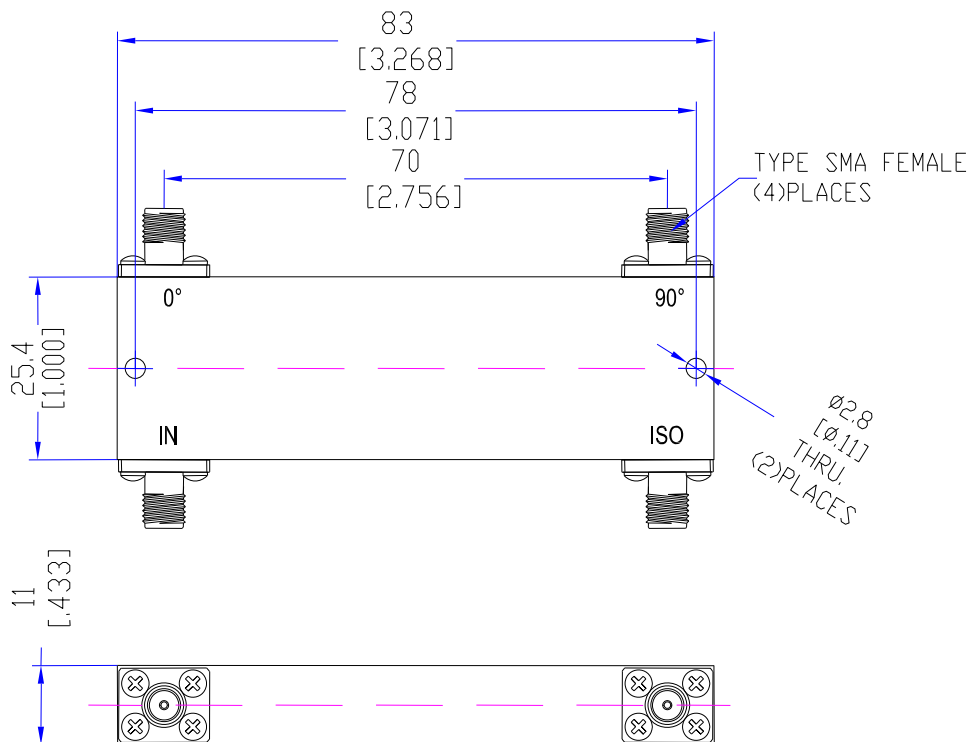
Model THC1080A

Features

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

Technical Data Sheet			
Frequency Range	1~8GHz	Finish	Painted Blue_ RAL #5007
Nominal Split	3.01dB	Connector Body	Passivated Stainless Steel
Insertion Loss	≤0.8dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Isolation	≥20dB		
Amplitude Balance	≤±0.5dB	Connector Pin	Beryllium Copper, Gold Plate
Phase Balance	≤±5°	Solder	Lead Free, RoHS Compliant
VSWR	≤1.25:1	Operating Temperature	-55~+85°C
¹ Power Handling	Average ≤50Watt Peak ≤1KW	Operating Humidity	Up to 95%, Non-Condensing
Impedance	50Ω	Weight	70g
Port Connectors	SMA-Female		

¹Power Handling guaranteed when load's VSWR within 1.50:1.

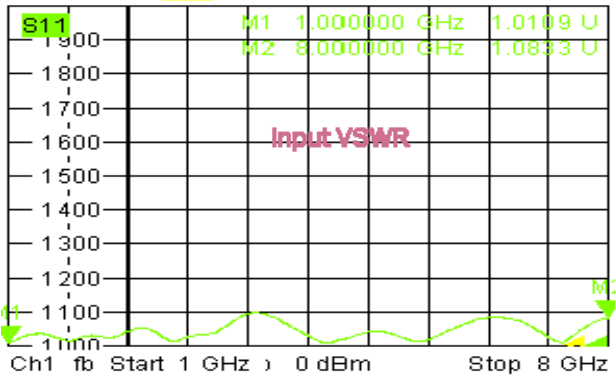


Typical Performance

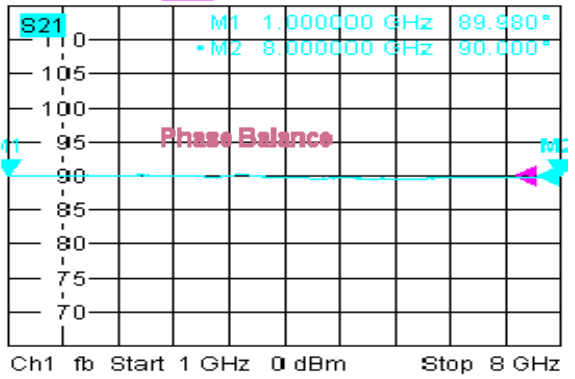
1. Insertion Loss, Amplitude & Phase Balance, VSWR



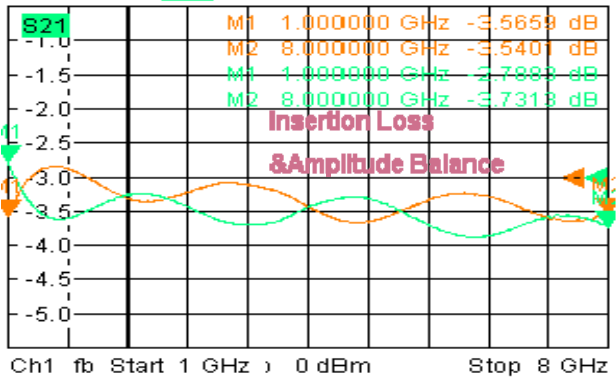
Trc1 Mem5[Trc1] S11 SWR 100 mU/ Ref1 U Cal Invisib



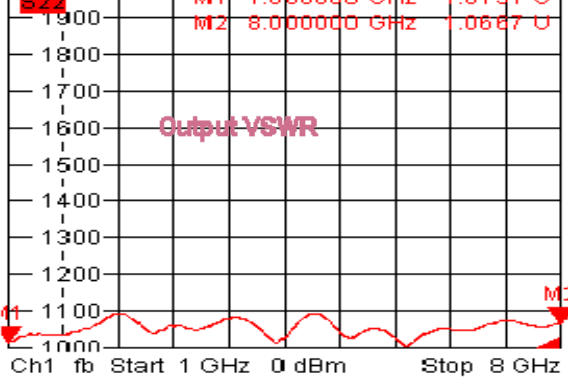
Trc2 Mem6[Trc2] S21 Phase 5° / Ref 90° Cal M: Invisib



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



Trc4 S22 SWR 100 mU/ Ref1 U Cal 4

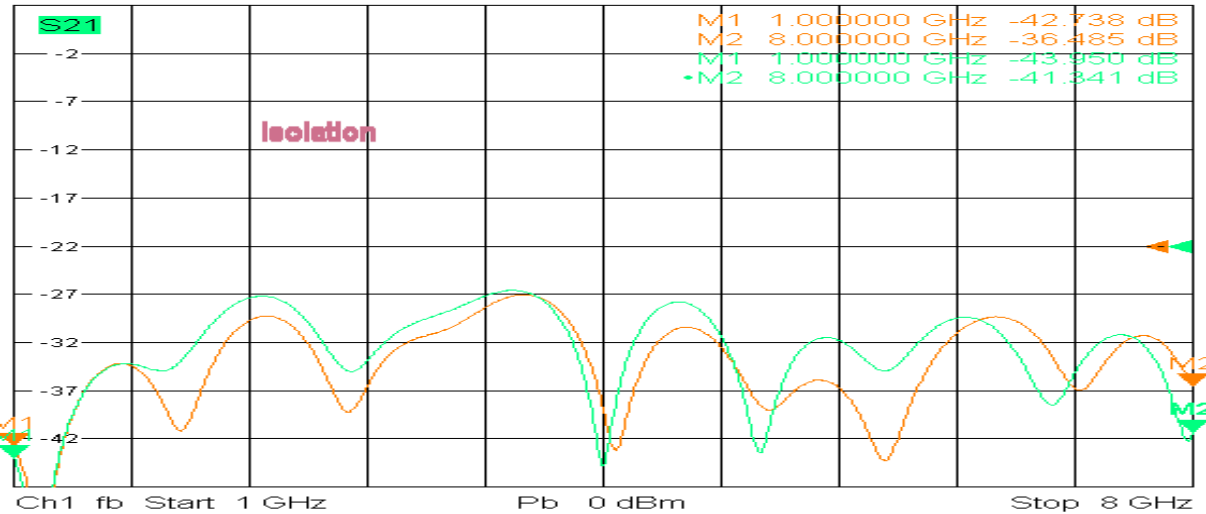


4/16/2019, 1:18 AM

2. Isolation



Trc3 Mem7[Trc3] S21 dB Mag 5 dB / Ref -22 dB Cal 3 (Max)



4/16/2019, 1:19 AM

