

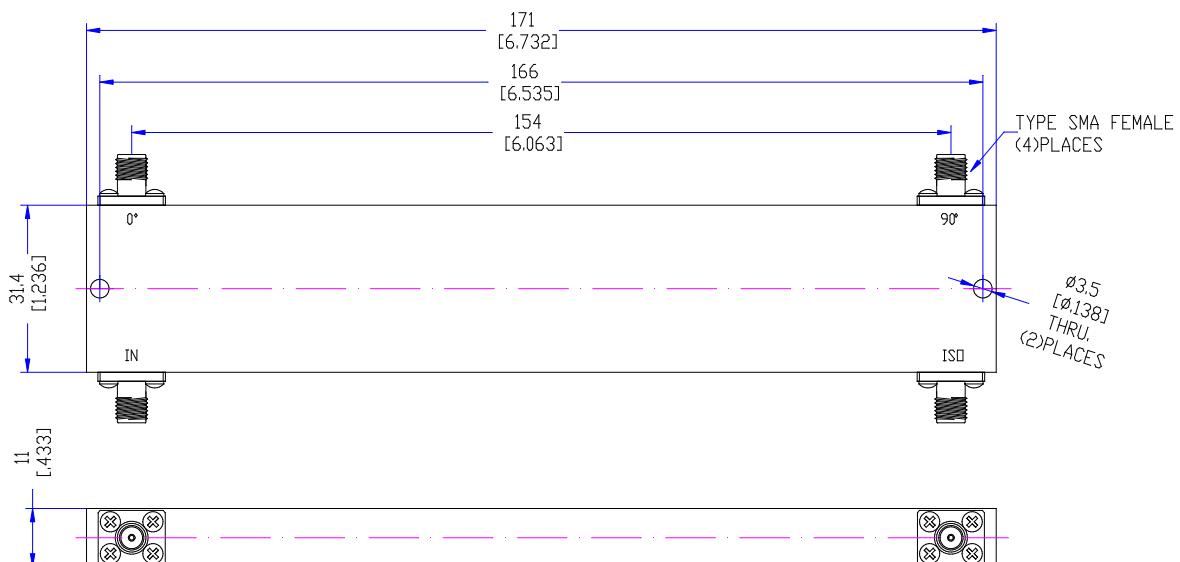
Model THC0580A

Features

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

Technical Data Sheet			
Frequency Range	0.5~8GHz	Finish	Painted Blue_ RAL #5007
Nominal Split	3.01dB	Connector Body	Passivated Stainless Steel
Insertion Loss	≤1.3dB	Housing	Aluminum, 6061 T6
Isolation	≥20dB		Clear Chem Conversion Film
Amplitude Balance	≤±0.6dB	Connector Pin	Beryllium Copper, Gold Plate
Phase Balance	≤±5°	Solder	Lead Free, RoHS Compliant
VSWR	≤1.30:1	Operating Temperature	-55~+85°C
¹ Power Handling	Average ≤50Watt Peak ≤1KW	Operating Humidity	Up to 95%, Non-Condensing
Impedance	50Ω	Weight	160g
Port Connectors	SMA-Female		

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

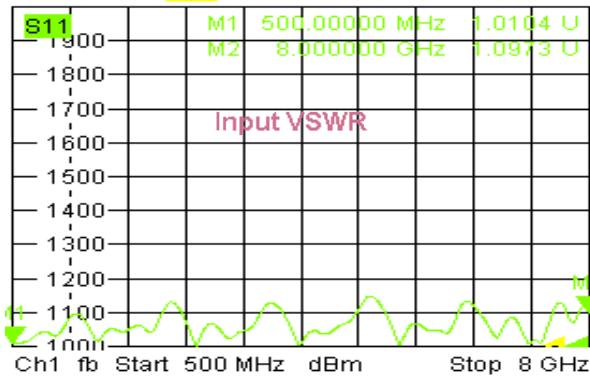


Typical Performance

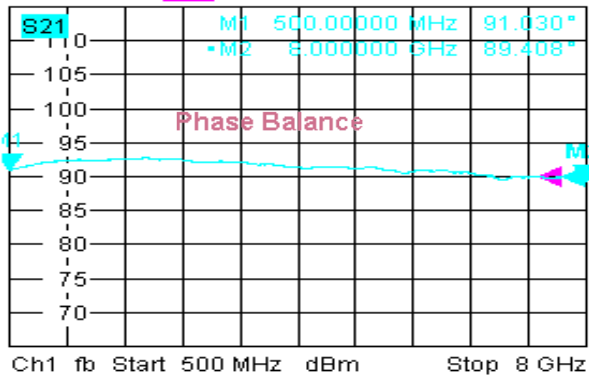
1. Insertion Loss, Amplitude & Phase Balance, VSWR



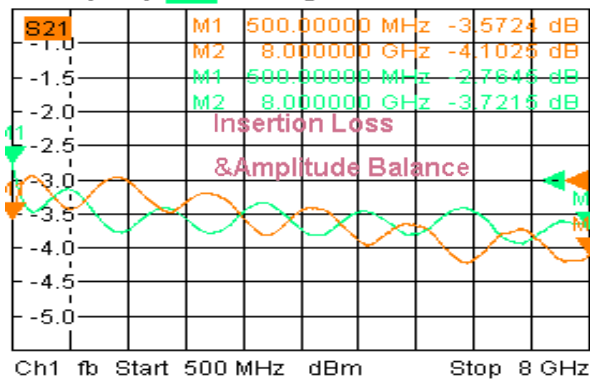
Trc1 Mem5[Trc1] **S11** SWR 100 mU/ Ref 1 U Cal Invis



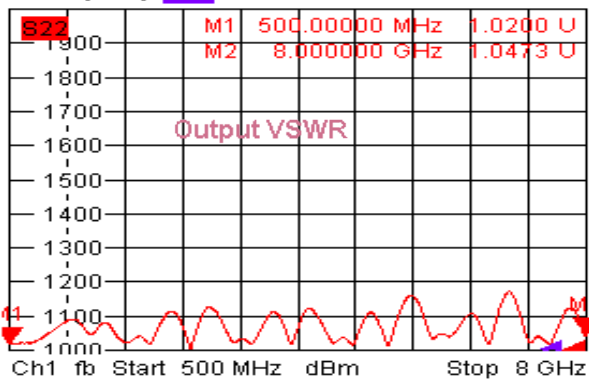
Trc2 Mem6[Trc2] **S21** Phase 5° / Ref 90° Cal Matr Invisible



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



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



5/12/2020, 5:03 AM

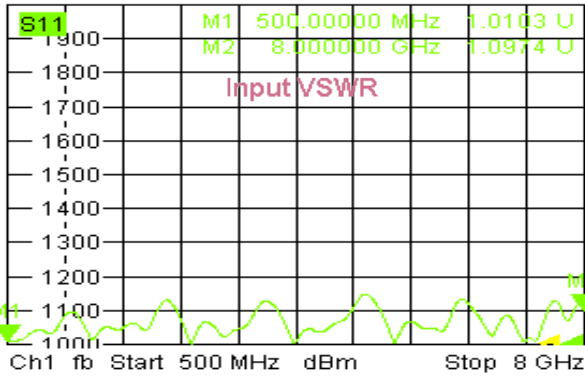


Typical Performance

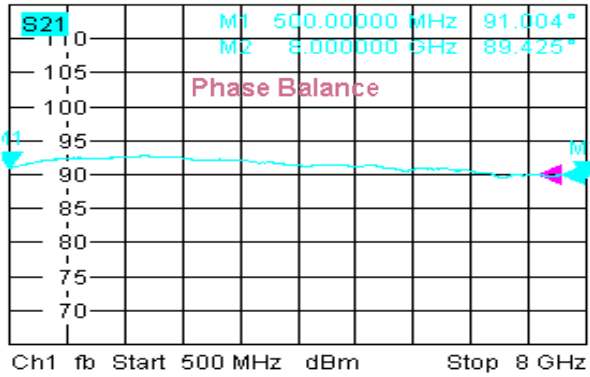
2. Insertion Loss, Amplitude & Phase Balance, VSWR



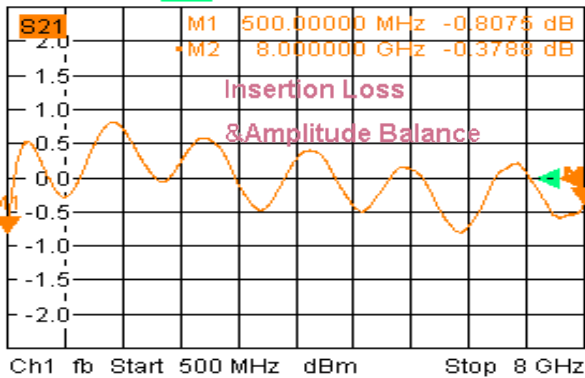
Trc1 Mem5[Trc1] **S11** SWR 100 mU/ Ref 1 U Cal Invis



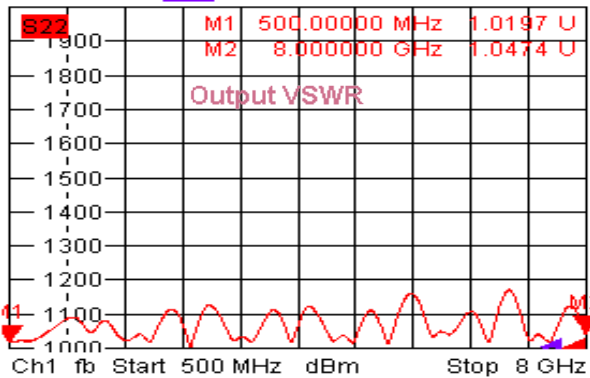
Trc2 Mem6[Trc2] **S21** Phase 5° / Ref 90° Cal Matr Invisible



Trc3 Mem7[Trc3] **S21** dB Mag 0.5 dB / Ref 0 dB C: In



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

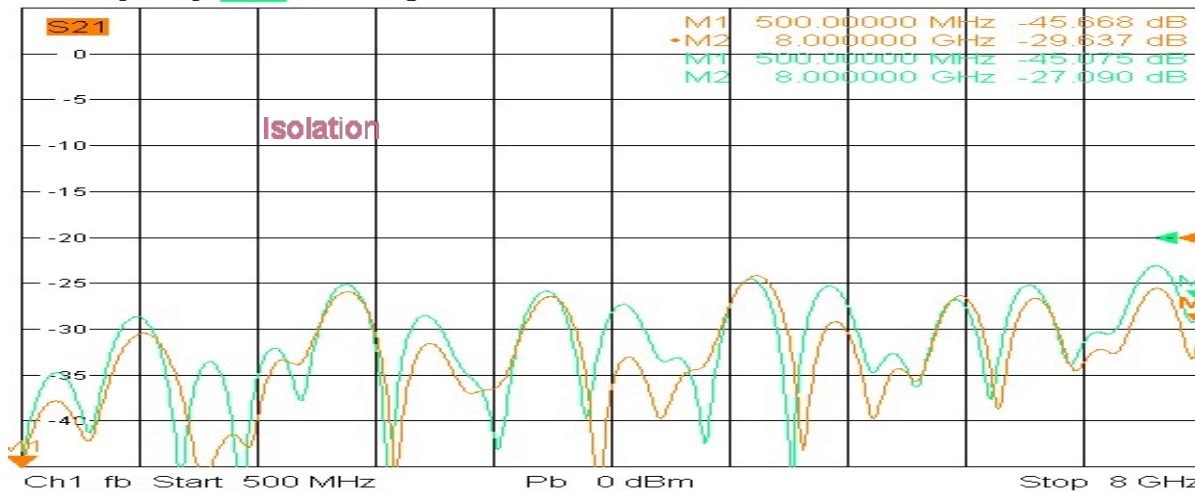


5/12/2020, 5:03 AM

3. Isolation



Trc3 Mem7[Trc3] **S21** dB Mag 5 dB / Ref -20 dB Cal 3 (Max)



5/12/2020, 5:06 AM

