

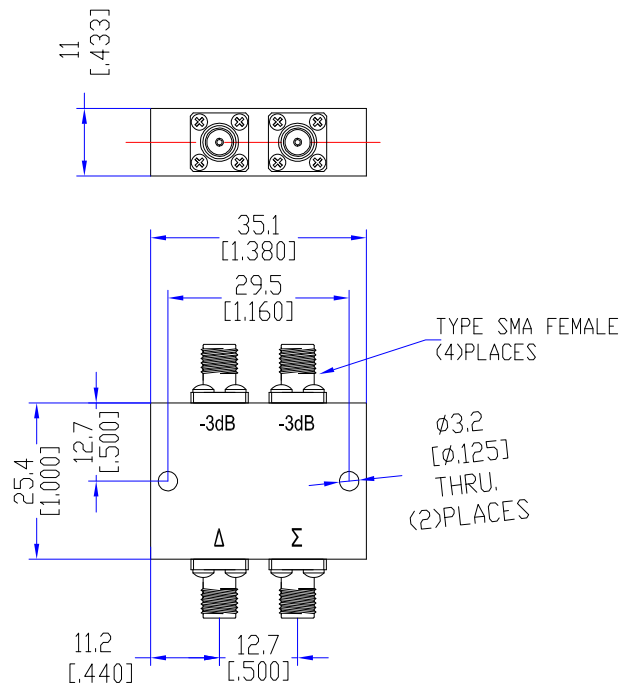
Model THC5658B

Features

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

Technical Data Sheet			
Frequency Range	5.6~5.8GHz	Finish	Painted Blue_ RAL #5007
Nominal Split	3.01dB	Connector Body	Passivated Stainless Steel
Insertion Loss	≤0.4dB	Housing	Aluminum, 6061 T6
Isolation	≥20dB		Clear Chem Conversion Film
Amplitude Balance	≤±0.3dB	Connector Pin	Beryllium Copper, Gold Plate
Phase Balance	≤±3°	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	30
Port Connectors	SMA-Female		

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

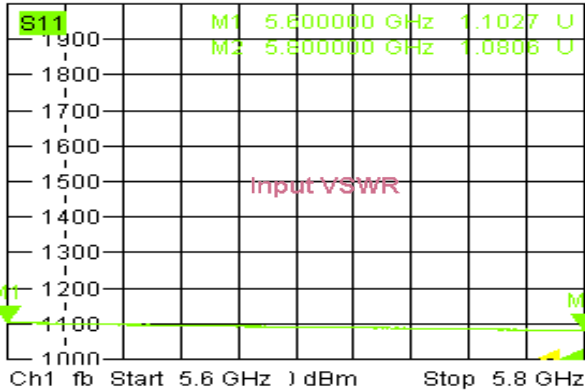


Typical Performance

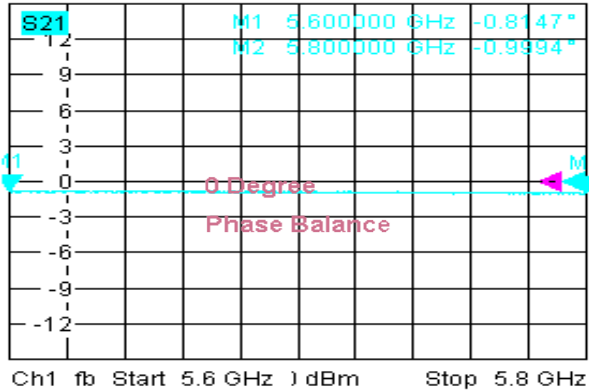
1. Insertion Loss, Amplitude & Phase Balance, VSWR_{in} 0°



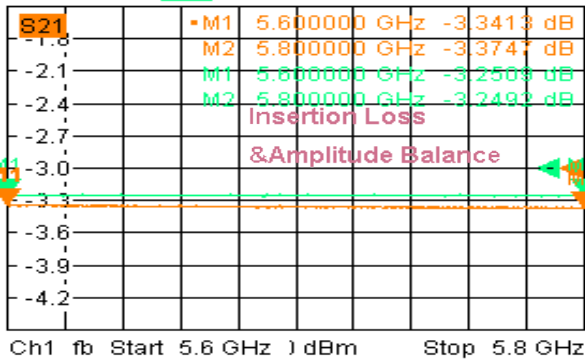
Trc1 Mem5[Trc1] S11 SWR 100 mU/ Ref 1 U Cal Invis



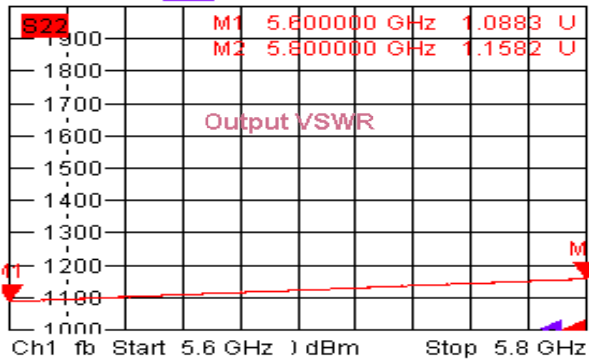
Trc2 Mem6[Trc2] S21 Phase unwrap 3° / Ref 0° C Ir



Trc3 Mem7[Trc3] S21 dB Mag 0.3 dB / Ref -3 dB C



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

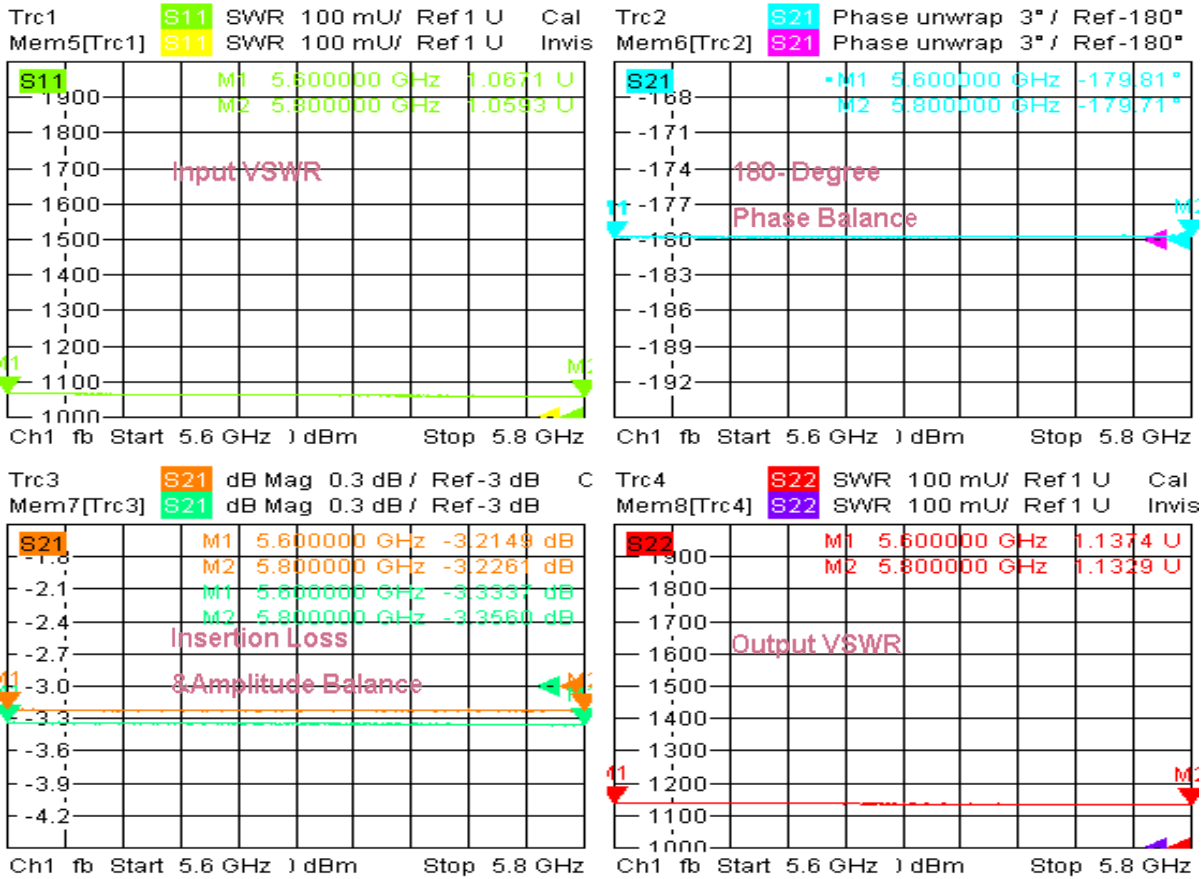


5/11/2021, 10:22 AM



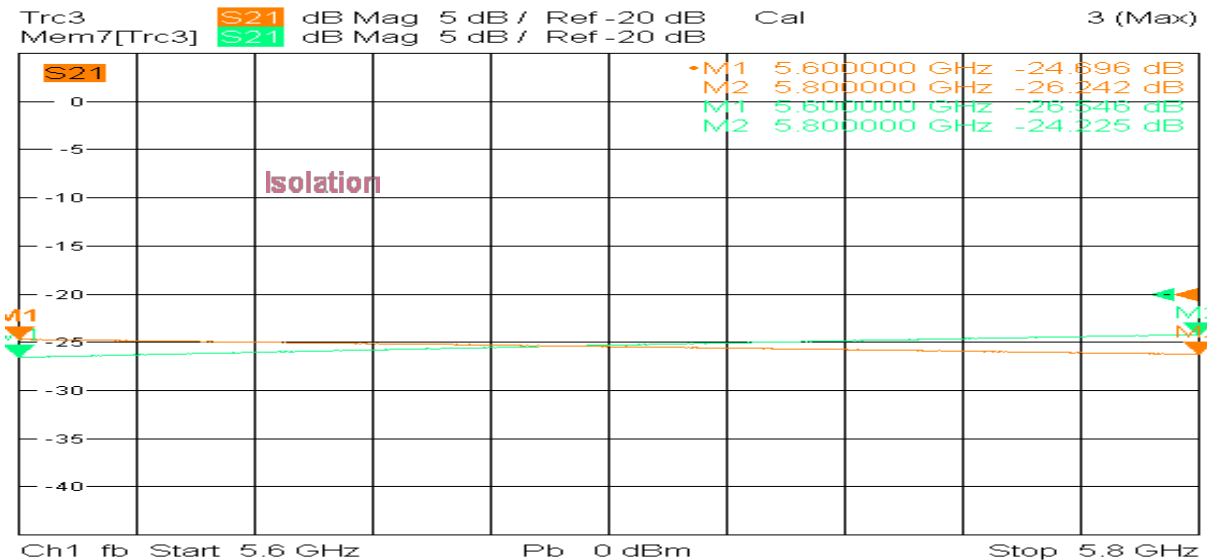
Typical Performance

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



5/11/2021, 10:19 AM

3. Isolation



5/11/2021, 10:24 AM

