

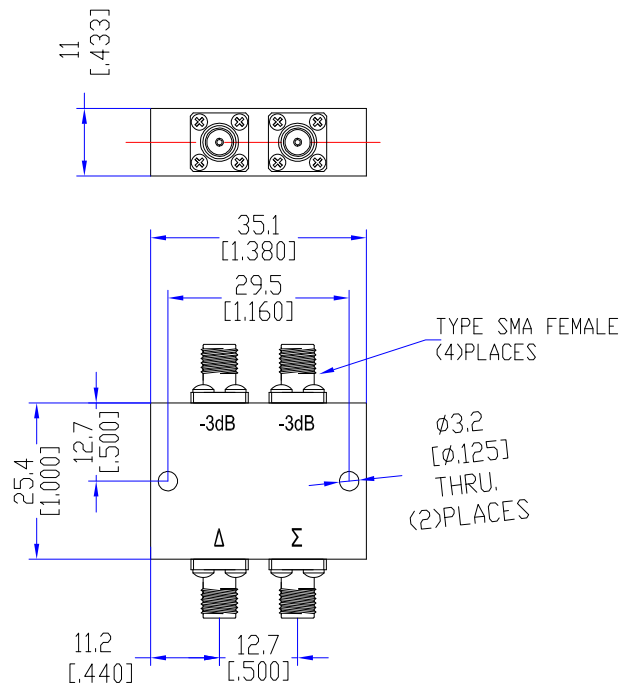
Model THC5060B

Features

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

Technical Data Sheet			
Frequency Range	5~6GHz	Finish	Painted Blue_ RAL #5007
Nominal Split	3.01dB	Connector Body	Passivated Stainless Steel
Insertion Loss	≤0.5dB	Housing	Aluminum, 6061 T6
Isolation	≥18dB		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
¹ Power Handling	Average ≤50Watt Peak ≤1KW	Operating Humidity	Up to 95%, Non-Condensing
Impedance	50Ω	Weight	30g
Port Connectors	SMA-Female		

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

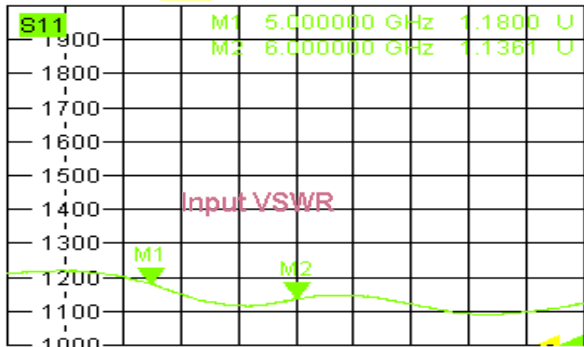


Typical Performance

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

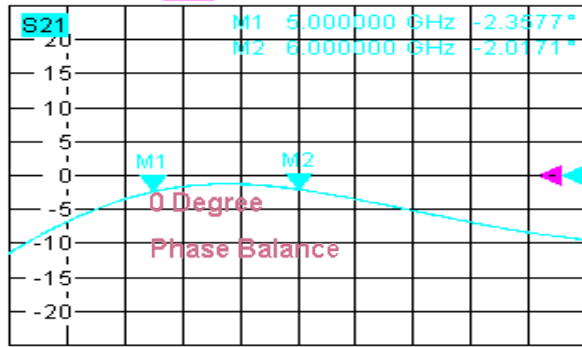


Trc1 **S11** SWR 100 mU/ Ref 1 U Cal
 Mem5[Trc1] **S11** SWR 100 mU/ Ref 1 U Invis



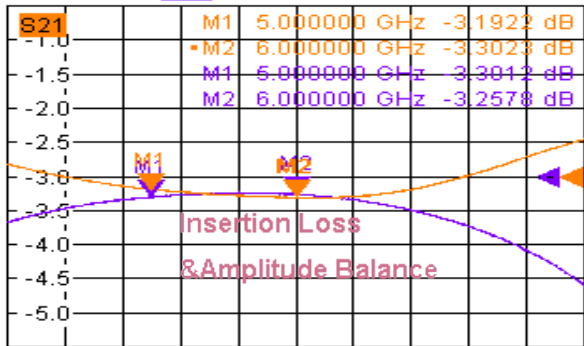
Ch1 fb Start 4 GHz 0 dBm Stop 8 GHz

Trc2 **S21** Phase unwrap 5° / Ref 0° C
 Mem6[Trc2] **S21** Phase unwrap 5° / Ref 0° Ir



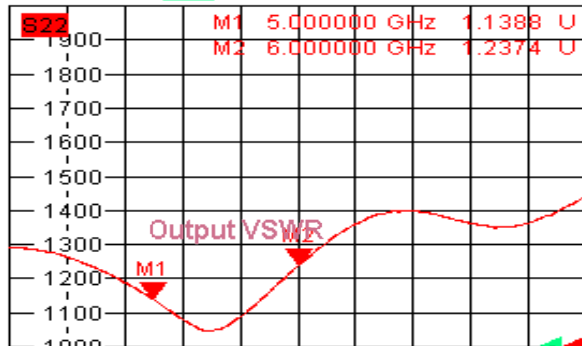
Ch1 fb Start 4 GHz 0 dBm Stop 8 GHz

Trc3 **S21** dB Mag 0.5 dB / Ref -3 dB C
 Mem8[Trc3] **S21** dB Mag 0.5 dB / Ref -3 dB



Ch1 fb Start 4 GHz 0 dBm Stop 8 GHz

Trc4 **S22** SWR 100 mU/ Ref 1 U Cal
 Mem7[Trc4] **S22** SWR 100 mU/ Ref 1 U Invis



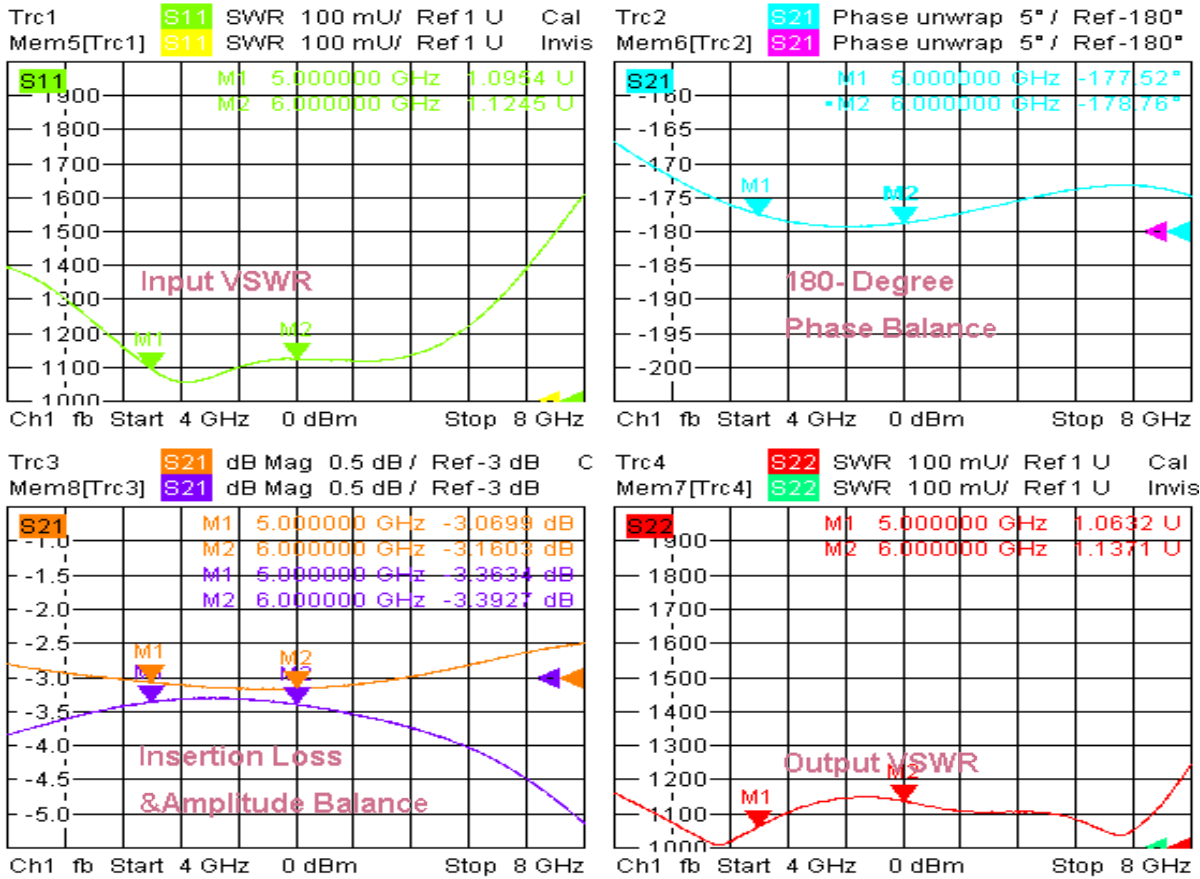
Ch1 fb Start 4 GHz 0 dBm Stop 8 GHz

2/26/2021, 4:39 PM



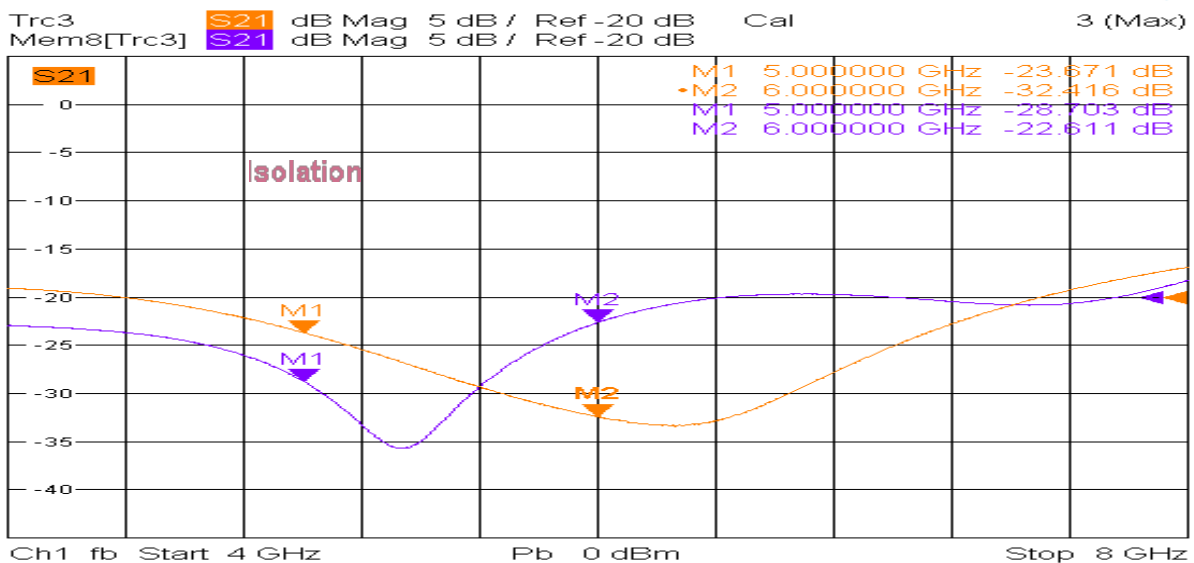
Typical Performance

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



2/26/2021, 4:39 PM

3. Isolation



2/26/2021, 4:40 PM

