

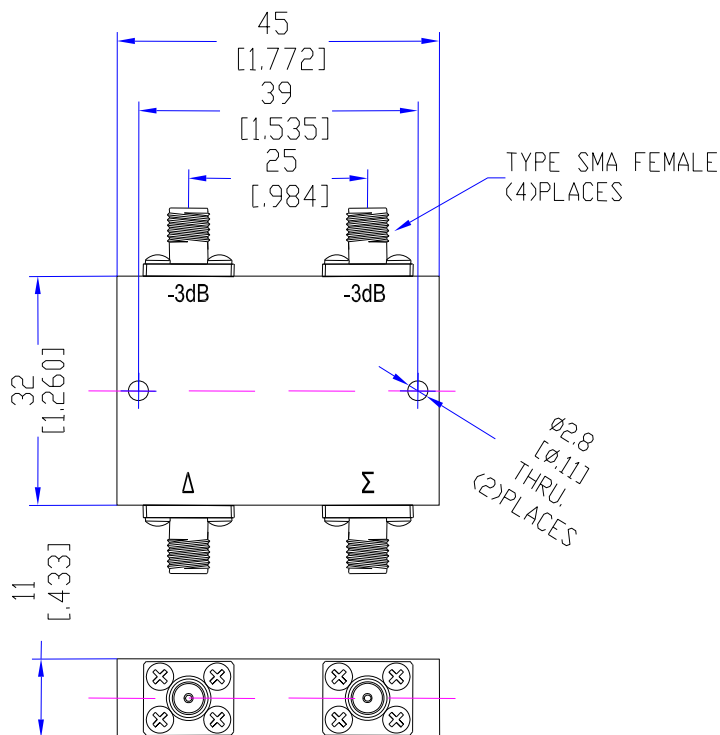
Model THC2224B

Features

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

Technical Data Sheet			
Frequency Range	2.2~2.4GHz	Finish	Painted Blue_ RAL #5007
Nominal Split	3.01dB	Connector Body	Passivated Stainless Steel
Insertion Loss	≤0.35dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Isolation	≥22dB		
Amplitude Balance	≤±0.3dB	Connector Pin	Beryllium Copper, Gold Plate
Phase Balance	≤±3°	Solder	Lead Free, RoHS Compliant
VSWR	≤1.25:1	Operating Temperature	-55~+85°C
¹ Power Handling	Average ≤20Watt Peak ≤1KW	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	50g
Port Connectors	SMA-Female		

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

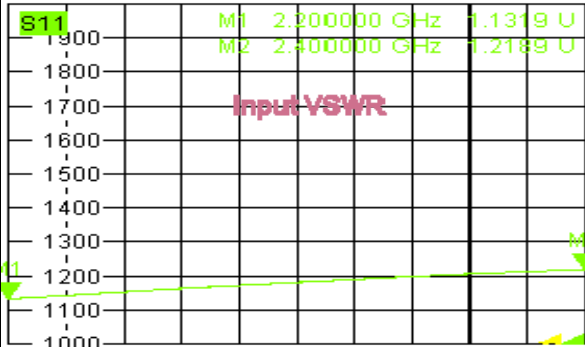


Typical Performance

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

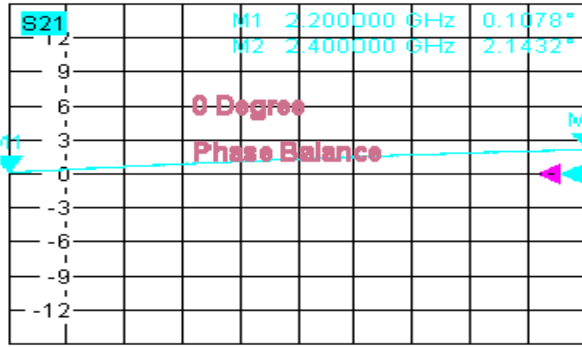


Trc1 **S11** SWR 100 mU/ Ref 1 U Cal
Mem5[Trc1] **S21** SWR 100 mU/ Ref 1 U Invis



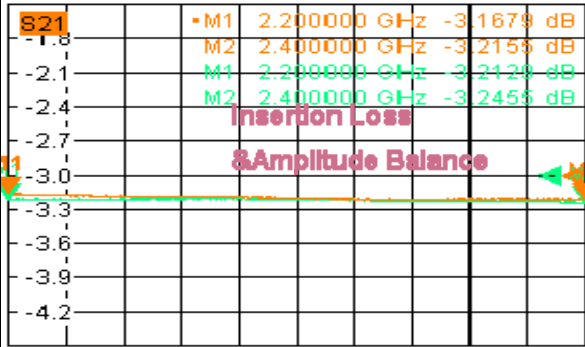
Ch1 fb Start 2.2 GHz 3 dBm Stop 2.4 GHz

Trc2 **S21** Phase 3° / Ref 0° Cal Math
Mem6[Trc2] **S21** Phase 3° / Ref 0° Invisible



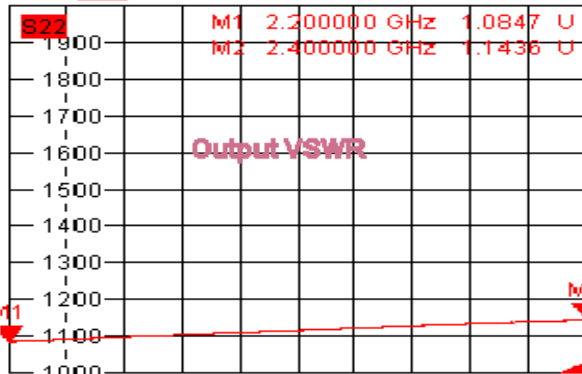
Ch1 fb Start 2.2 GHz 3 dBm Stop 2.4 GHz

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



Ch1 fb Start 2.2 GHz 3 dBm Stop 2.4 GHz

Trc4 **S22** SWR 100 mU/ Ref 1 U Cal 4



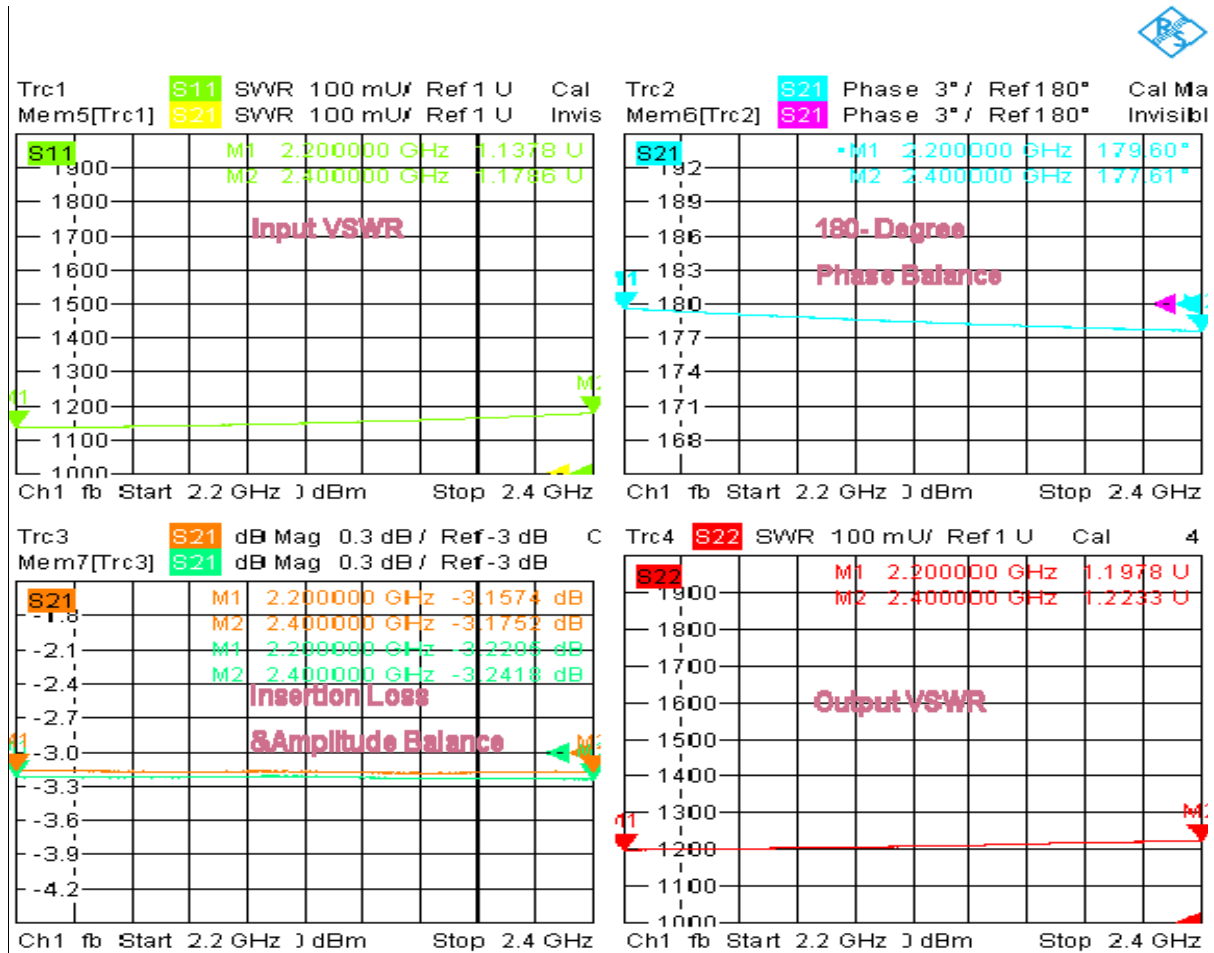
Ch1 fb Start 2.2 GHz 3 dBm Stop 2.4 GHz

4/19/2019, 10:05 PM



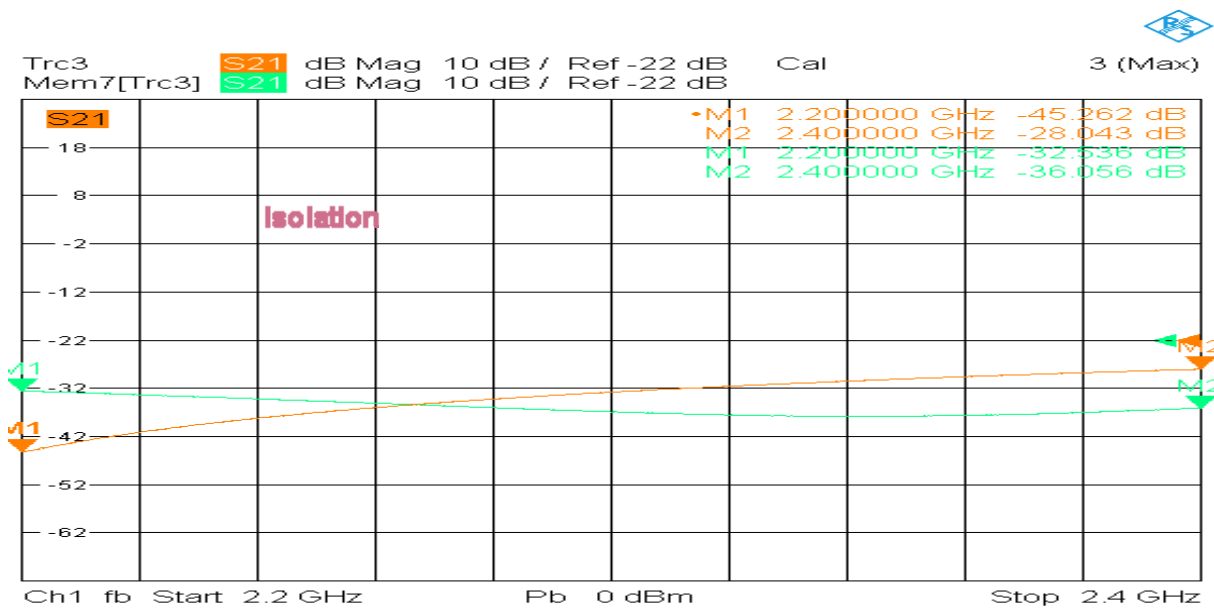
Typical Performance

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



4/19/2019, 10:04 PM

3. Isolation



4/19/2019, 10:09 PM

