

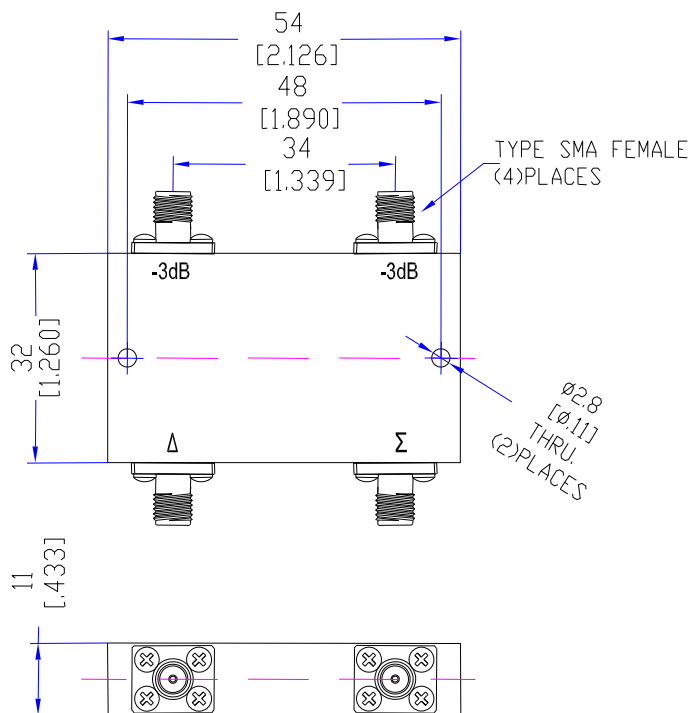
Model THC2040B

Features

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

Technical Data Sheet			
Frequency Range	2~4GHz	Finish	Painted Blue_ RAL #5007
Nominal Split	3.01dB	Connector Body	Passivated Stainless Steel
Insertion Loss	≤0.4dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Isolation	≥22dB		
Amplitude Balance	≤±0.4dB	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 ≤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.

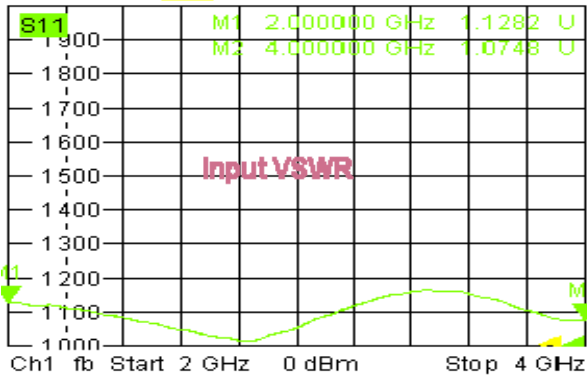


Typical Performance

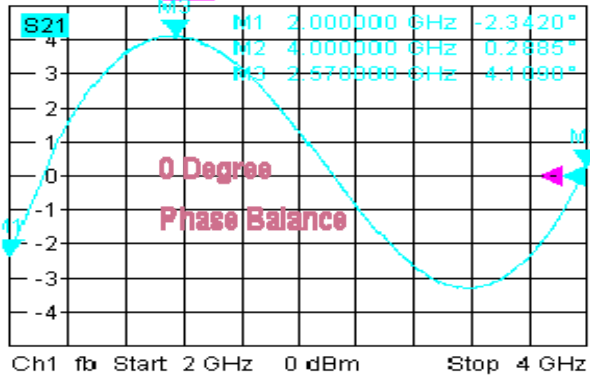
1. Insertion Loss, Amplitude & Phase Balance, VSWR & $\pm 0^\circ$



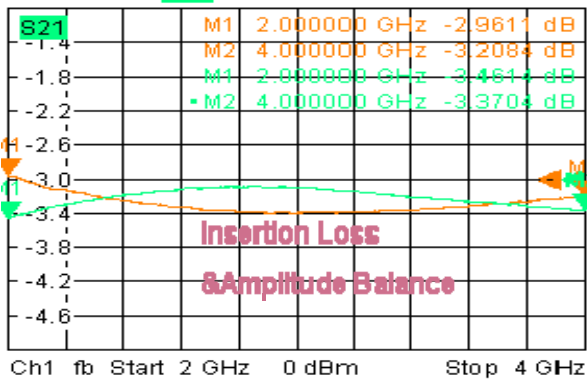
Trc1 **S11** SWR 100 mU/ Ref 1 U Cal
 Mem5[Trc1] **S21** SWR 100 mU/ Ref 1 U Invis



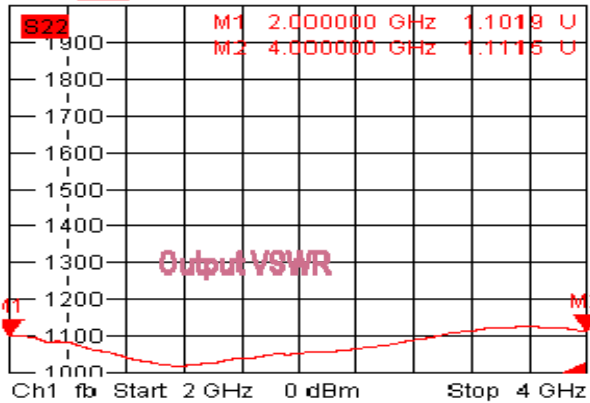
Trc2 **S21** Phase unwrap 1° / Ref 0° C
 Mem6[Trc2] **S21** Phase unwrap 1° / Ref 0° Ir



Trc3 **S21** dB Mag 0.4 dB / Ref -3 dB C
 Mem7[Trc3] **S21** dB Mag 0.4 dB / Ref -3 dB



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



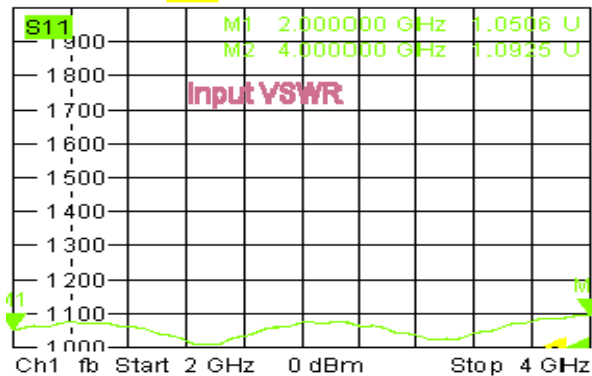
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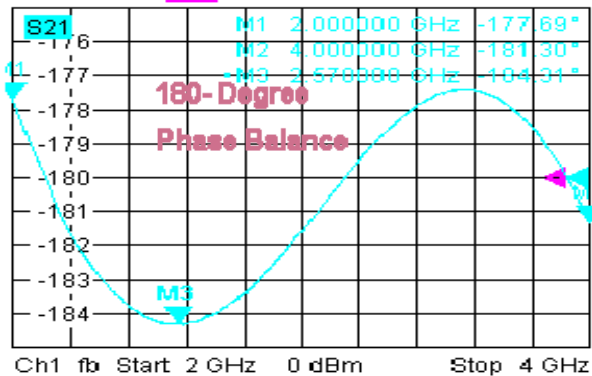
2. Insertion Loss, Amplitude/ Phase Balance, VSWR _ 180°



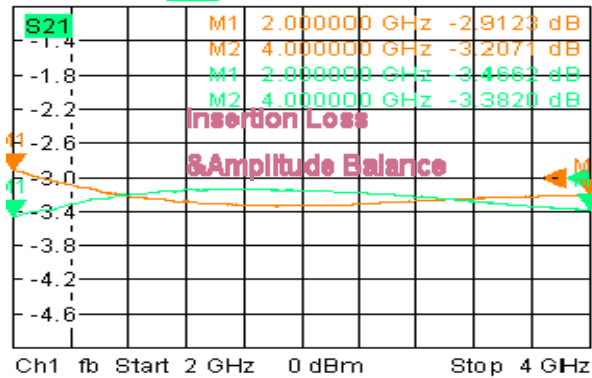
Trc1 Mem5[Trc1] S11 SWR 100 mU/ Ref1 U Cal Invis



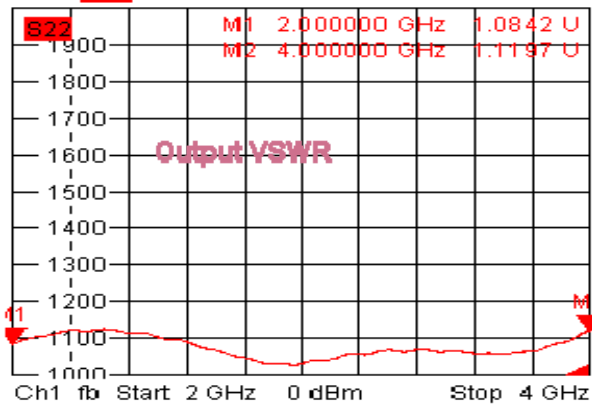
Trc2 Mem6[Trc2] S21 Phase unwrap 1° / Ref-180°



Trc3 Mem7[Trc3] S21 dB Mag 0.4 dB / Ref-3 dB



Trc4 S22 SWR 100 mU/ Ref1 U Cal 4

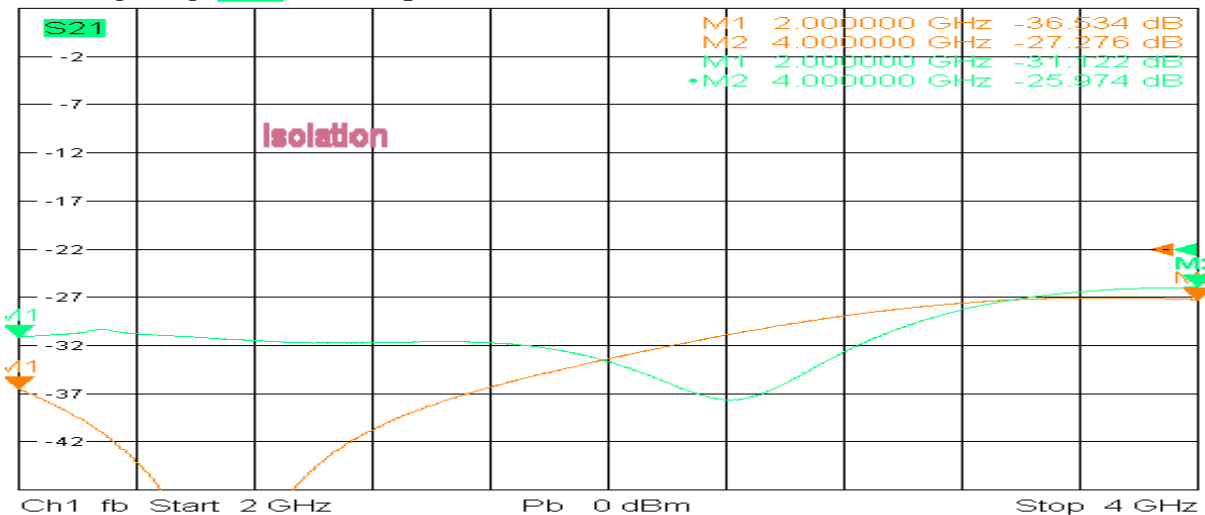


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3. Isolation



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



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