

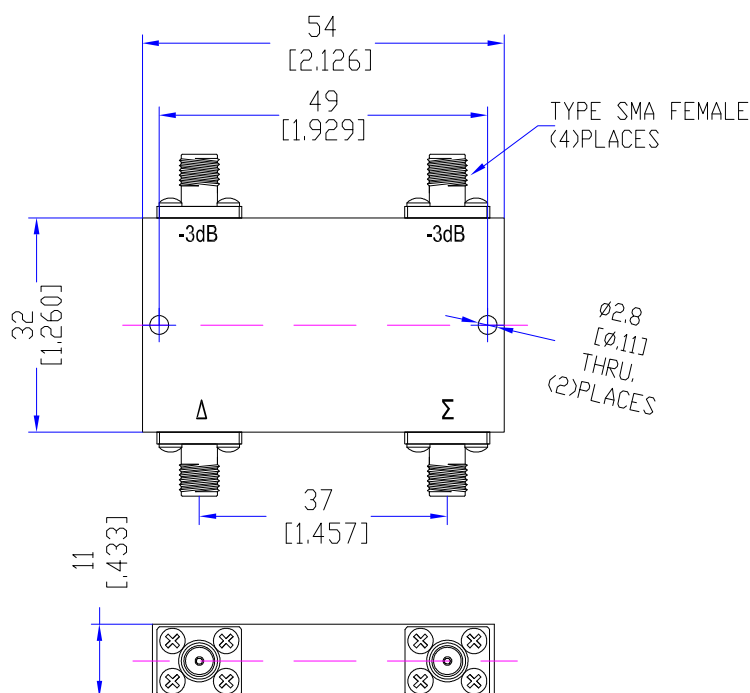
Model THC1516B

Features

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

Technical Data Sheet			
Frequency Range	1.55~1.65GHz	Finish	Painted Blue_ RAL #5007
Nominal Split	3.01dB	Connector Body	Passivated Stainless Steel
Insertion Loss	≤0.4dB	Housing	Aluminum, 6061 T6
Isolation	≥25dB		Clear Chem Conversion Film
Amplitude Balance	≤±0.5dB	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	100g
Port Connectors	SMA-Female		

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

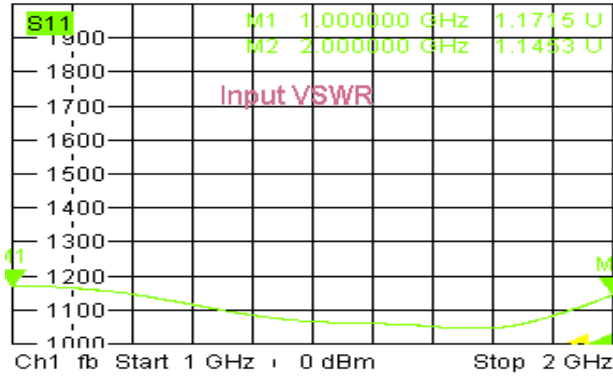


Typical Performance

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



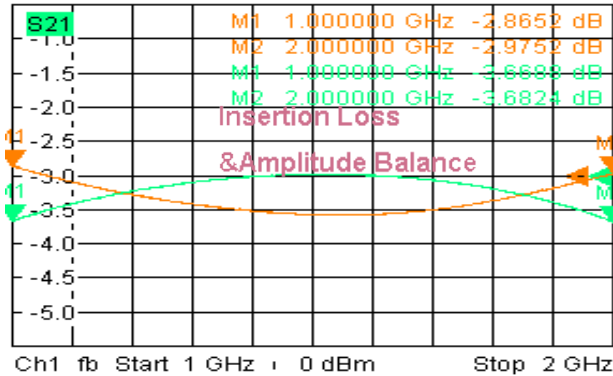
Trc1 Mem5[Trc1] S11 SWR 100 mU/ Ref 1 U Cal Invisib



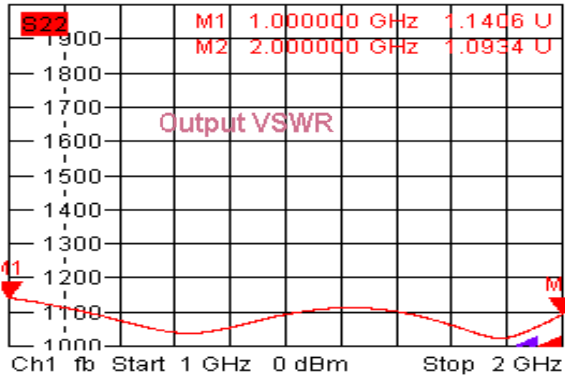
Trc2 Mem6[Trc2] S21 Phase unwrap 5° / Ref 0°



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



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



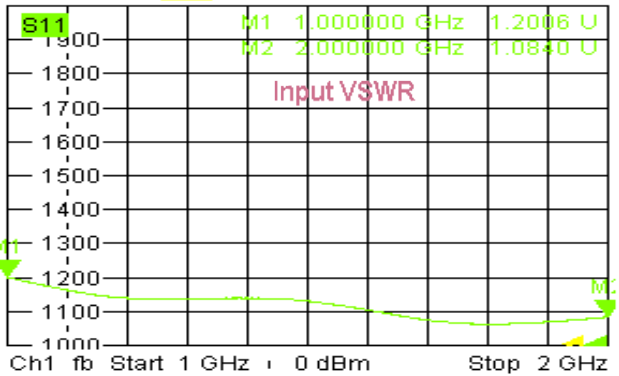
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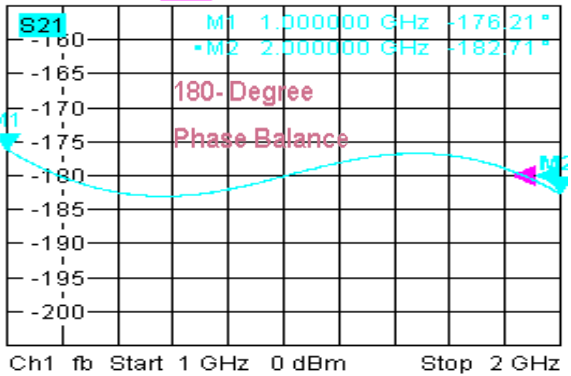
2. Insertion Loss, Amplitude/ Phase Balance, VSWR _ 180°



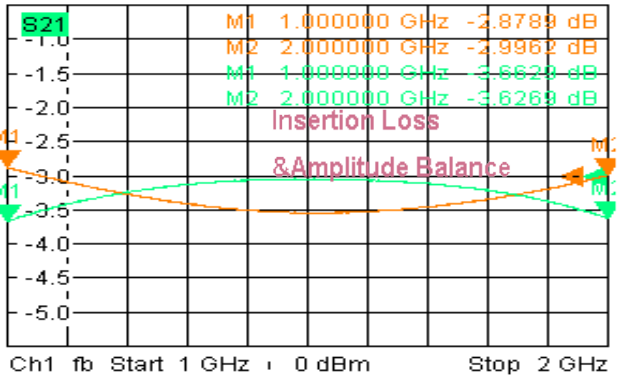
Trc1 Mem5[Trc1] S11 SWR 100 mU/ Ref 1 U Cal Invisib



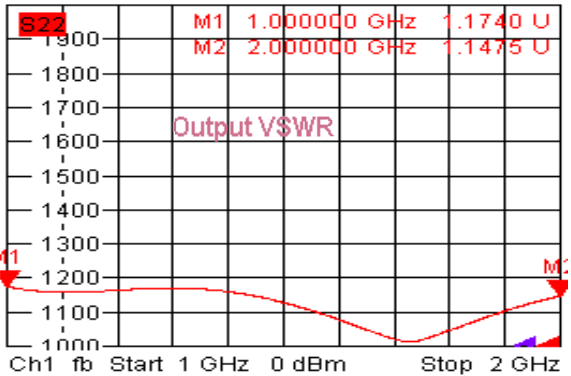
Trc2 Mem6[Trc2] S21 Phase unwrap 5° / Ref-180 S21 Phase unwrap 5° / Ref-180



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



Trc4 Mem8[Trc4] S22 SWR 100 mU/ Ref 1 U Ca S22 SWR 100 mU/ Ref 1 U In



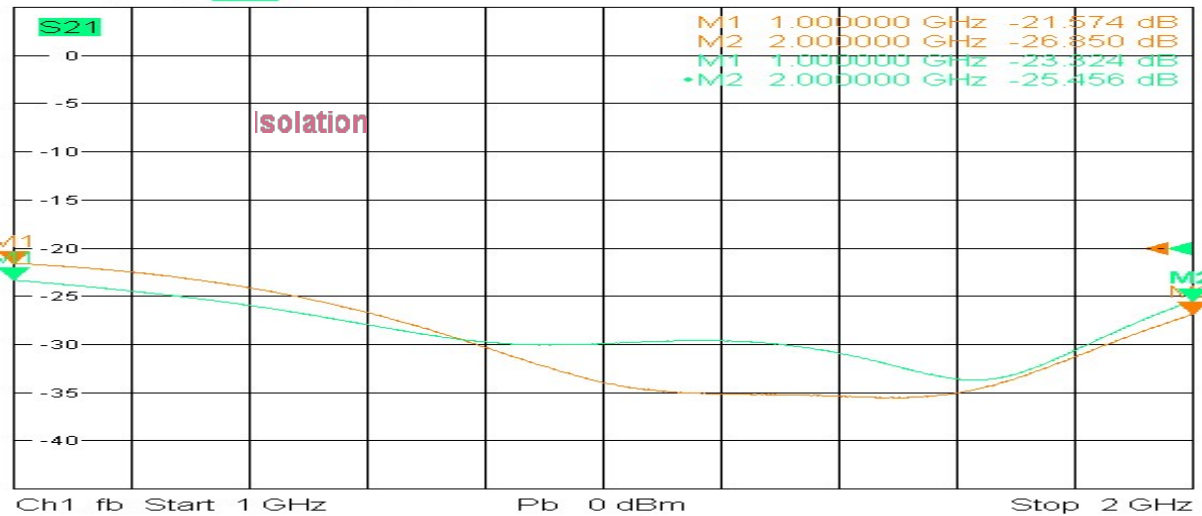
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3. Isolation



Trc3 Mem7[Trc3] S21 dB Mag 5 dB / Ref -20 dB Cal S21 dB Mag 5 dB / Ref -20 dB

3 (Max)



9/4/2018, 11:04 AM

