

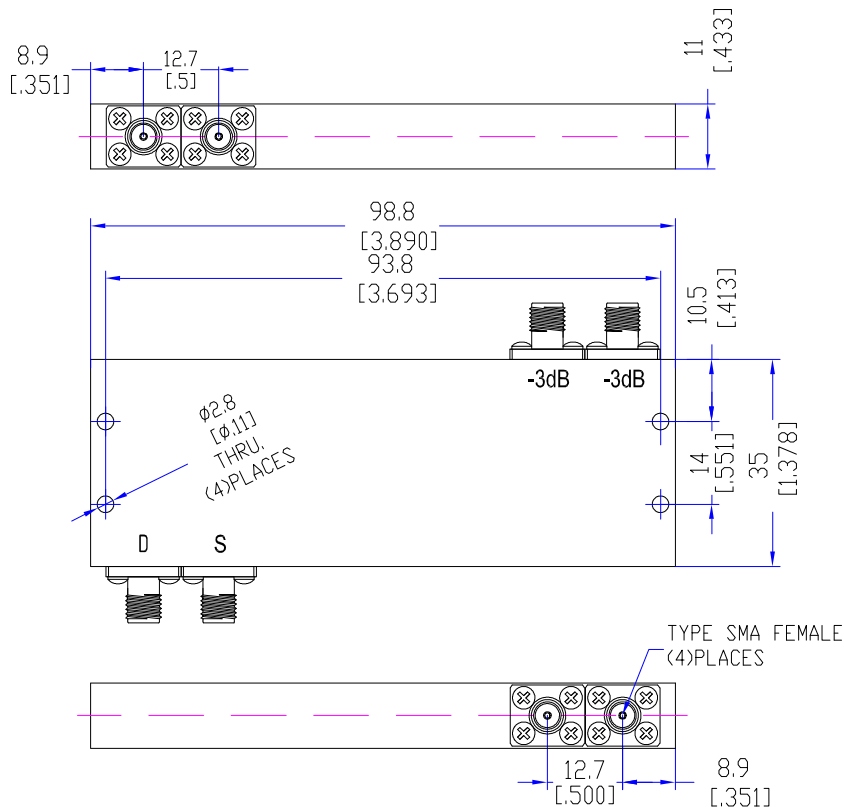
Model THC0740B

Features

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

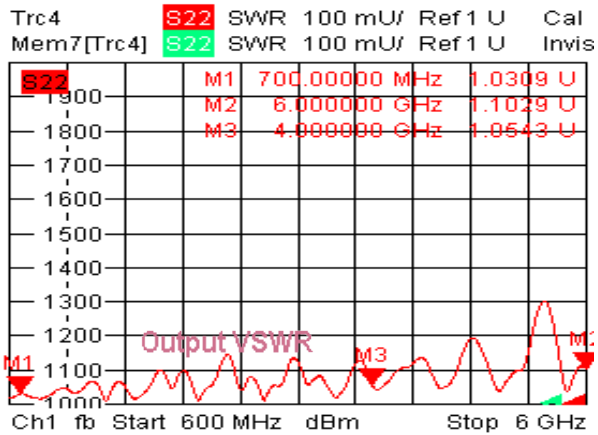
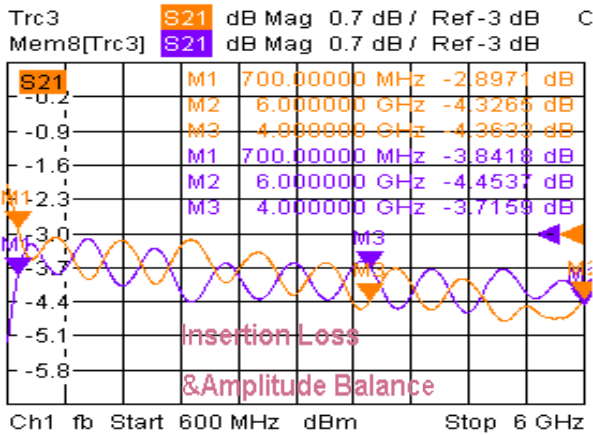
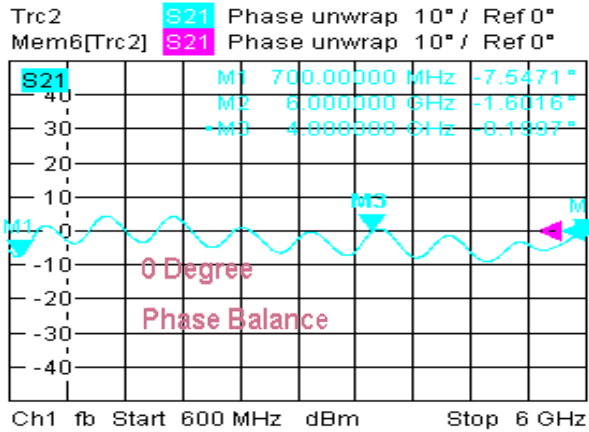
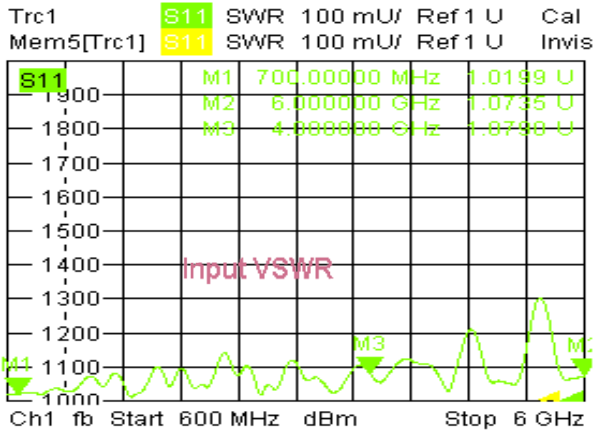
| Technical Data Sheet | | | |
|-----------------------------|------------------------------|-----------------------|------------------------------|
| Frequency Range | 0.7~6GHz | Finish | Painted Blue_ RAL #5007 |
| Nominal Split | 3.01dB | Connector Body | Passivated Stainless Steel |
| Insertion Loss | ≤1.3dB | Housing | Aluminum, 6061 T6 |
| Isolation | ≥18dB | | Clear Chem Conversion Film |
| Amplitude Balance | ≤±0.8dB | Connector Pin | Beryllium Copper, Gold Plate |
| Phase Balance | ≤±12° | 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 | 110g |
| Port Connectors | SMA-Female | | |

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



Typical Performance

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



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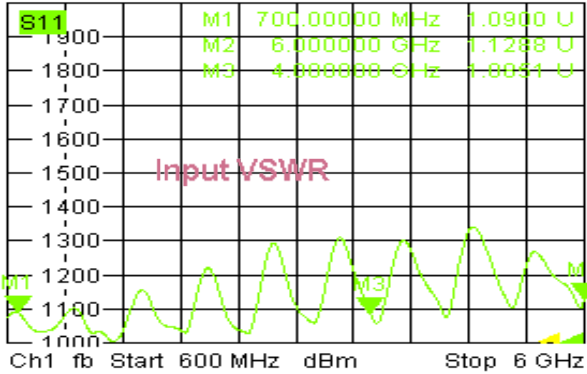


Typical Performance

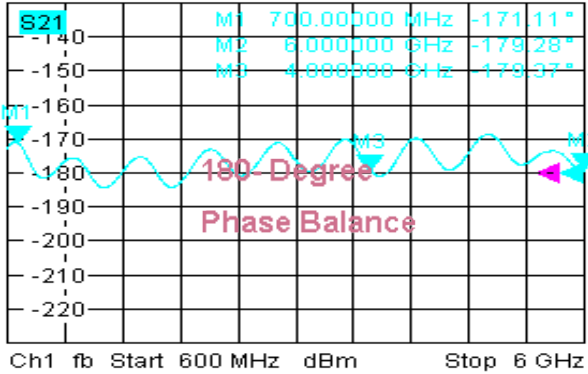
2. Insertion Loss, Amplitude/ Phase Balance, VSWR _ 180°



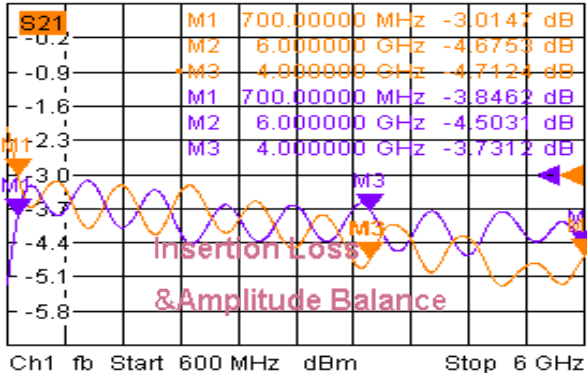
Trc1 **S11** SWR 100 mU/ Ref 1 U Cal
Mem5[Trc1] **S11** SWR 100 mU/ Ref 1 U Invis



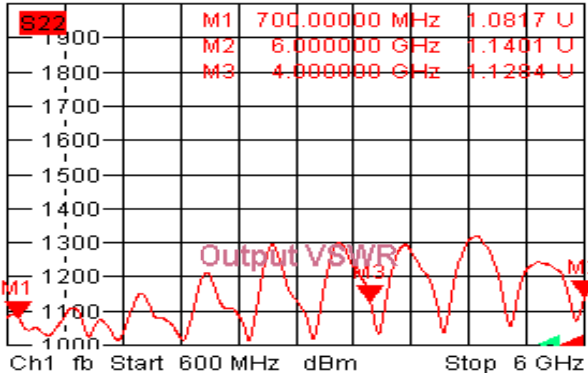
Trc2 **S21** Phase unwrap 10° / Ref -180°
Mem6[Trc2] **S21** Phase unwrap 10° / Ref -180°



Trc3 **S21** dB Mag 0.7 dB / Ref -3 dB C
Mem8[Trc3] **S21** dB Mag 0.7 dB / Ref -3 dB



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



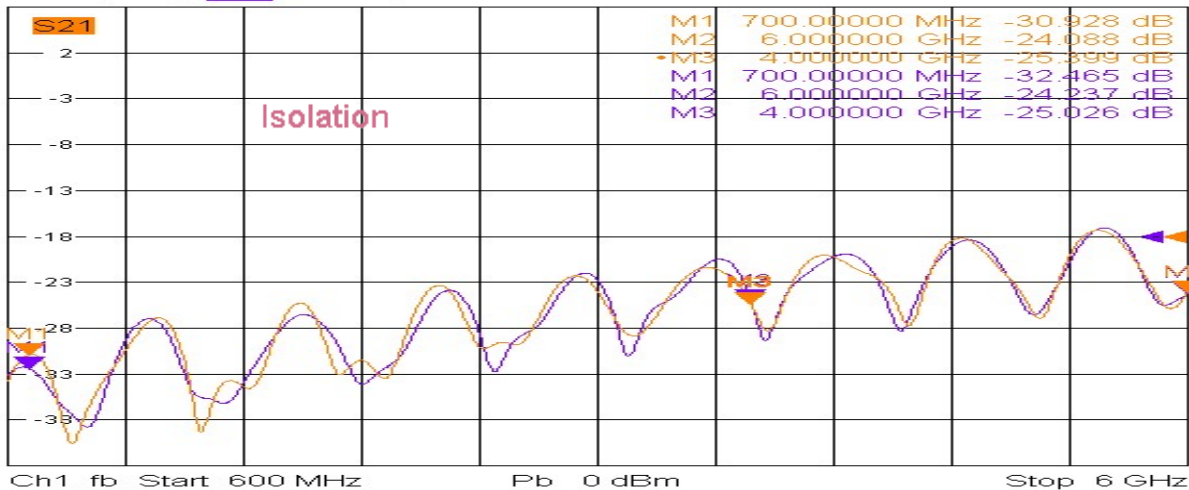
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3. Isolation



Trc3 **S21** dB Mag 5 dB / Ref -18 dB Cal
Mem8[Trc3] **S21** dB Mag 5 dB / Ref -18 dB

3 (Max)



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