

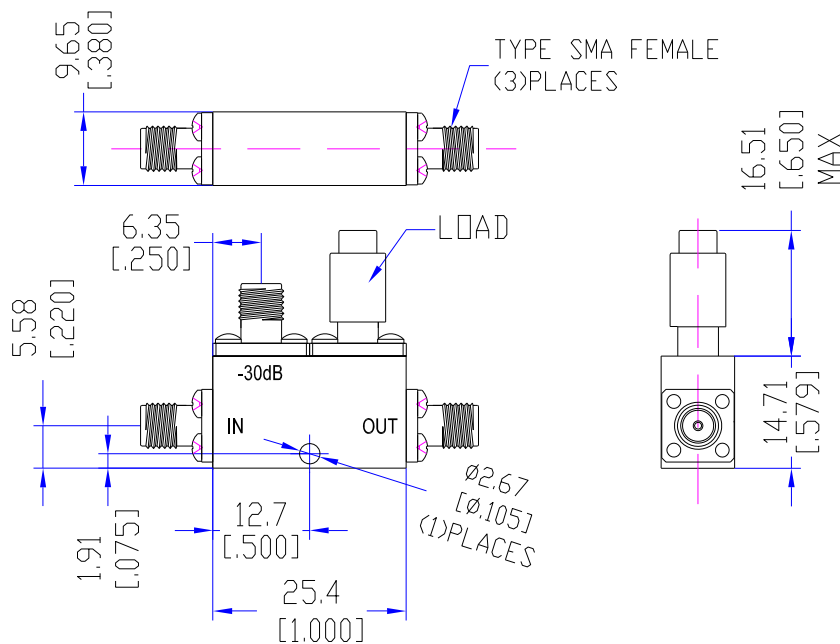
Model TDC4080A30A

Features

Low VSWR
High Directivity
Broadband & Miniature Size

| Technical Data Sheet | | | |
|-----------------------------|--|-----------------------|---|
| Frequency Range | 4~18GHz | Finish | Painted Blue_ RAL #5007 |
| Insertion Loss | ≤0.35dB (Excl. Coupling Loss 0.01dB) | Connector Body | Passivated Stainless Steel |
| Coupling Factor | ≤30±1dB | Housing | Aluminum, 6061 T6 Clear Chem Conversion Film |
| Coupling Sensitivity | ≤±1dB | Connector Pin | Beryllium Copper, Gold Plate |
| Directivity | ≥18dB | Solder | Lead Free, RoHS Compliant |
| VSWR | Primary ≤1.20:1 Secondary ≤1.20:1 | Operating Temperature | -55~+85°C |
| ¹ Power Handling | Incident ≤30Watt; Reflected ≤30Watt | Operating Humidity | Up to 95%, Non- Condensing |
| Impedance | 50Ω | Weight | 20g |
| Port Connectors | SMA-Female | | |

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

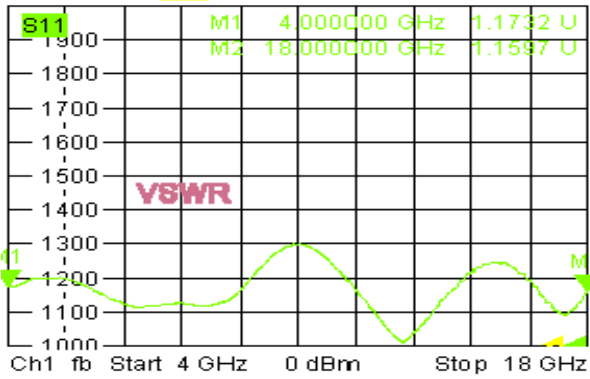


Typical Performance

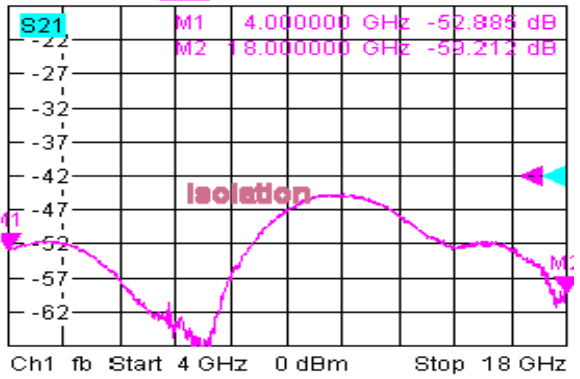
1. Coupling Factor & Sensitivity, Isolation, VSWR



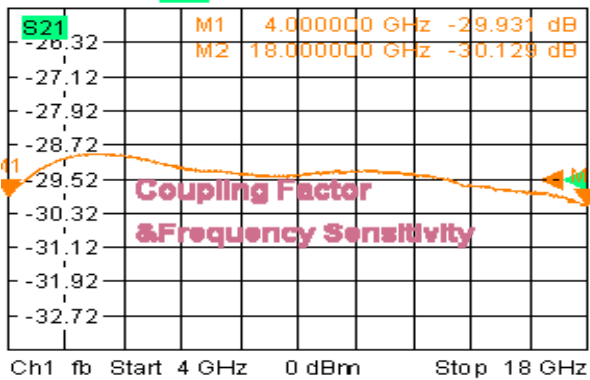
Trc1 **S11** SWR 100 mU/ Ref1 U Cal
 Mem5[Trc1] **S11** SWR 100 mU/ Ref1 U Invisi



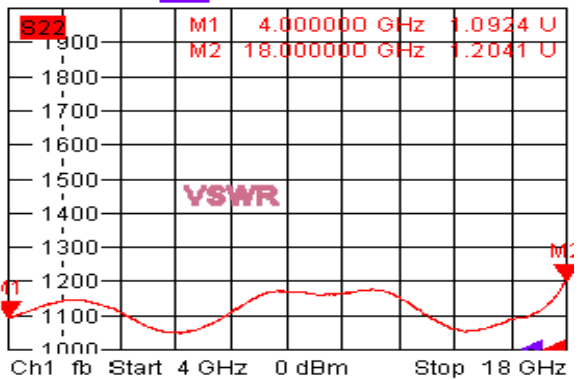
Trc2 **S21** dB Mag 5 dB / Ref-42 dB II
 Mem6[Trc2] **S21** dB Mag 5 dB / Ref-42 dB



Trc3 **S21** dB Mag 0.8 dB / Ref-29.52 dB
 Mem7[Trc3] **S21** dB Mag 0.8 dB / Ref-29.52 dB



Trc4 **S22** SWR 100 mU/ Ref1 U Cal
 Mem8[Trc4] **S22** SWR 100 mU/ Ref1 U Invisi

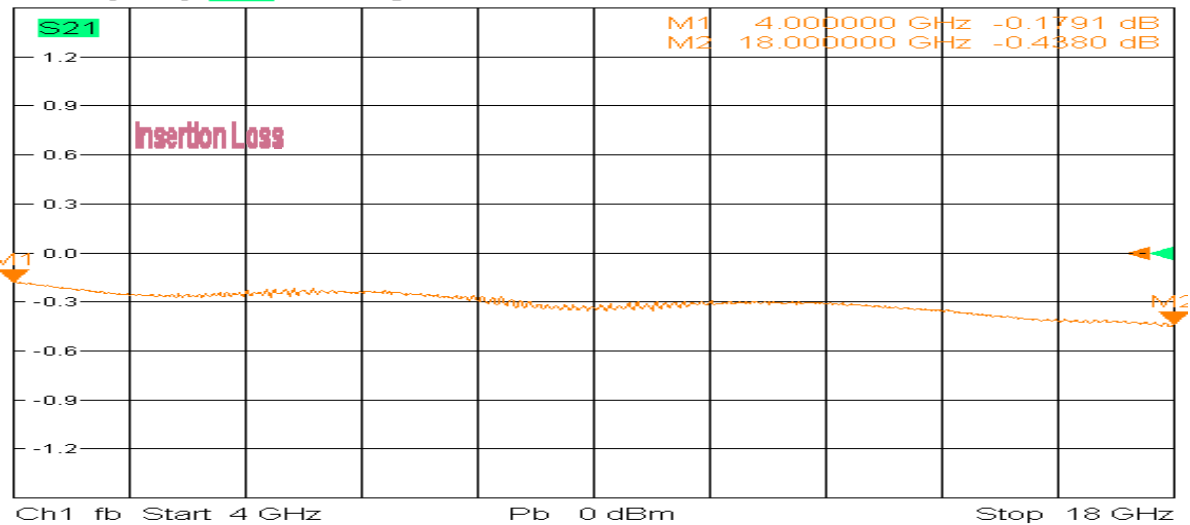


4/12/2019, 4:50 AM

2. Insertion Loss



Trc3 **S21** dB Mag 0.3 dB / Ref 0 dB Cal 3 (Max)
 Mem7[Trc3] **S21** dB Mag 0.3 dB / Ref 0 dB Invisible



4/12/2019, 4:53 AM

