

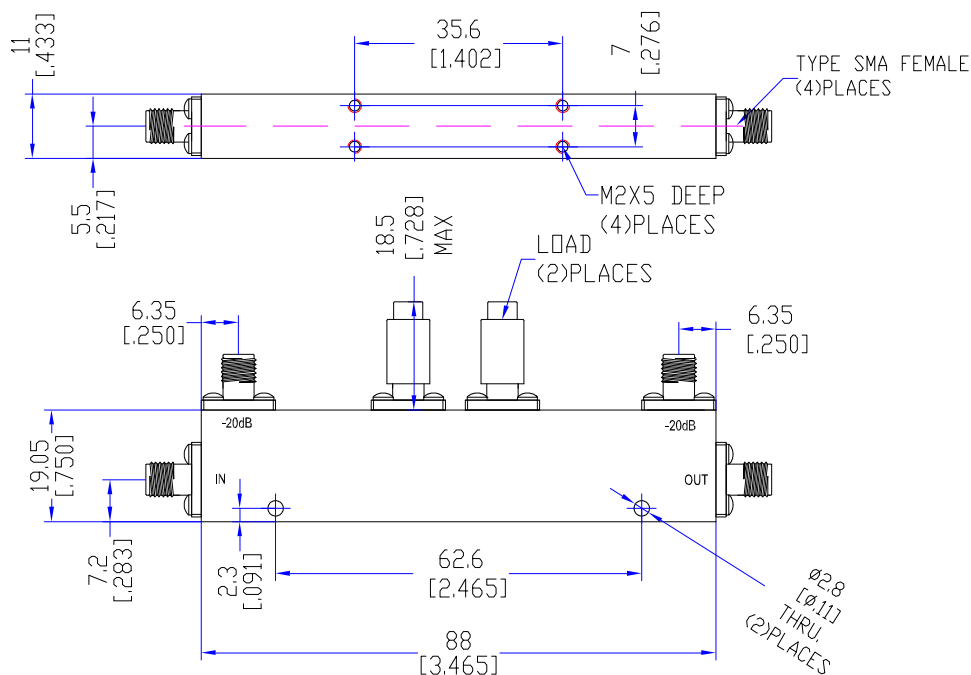
Model TDC2080A20D

Features

Low VSWR
High Directivity
Broadband & Miniature Size

Technical Data Sheet			
Frequency Range	2~8GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤0.8dB (Excl. Coupling Loss 0.08dB)	Connector Body	Passivated Stainless Steel
Coupling Factor	≤20±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 ≤1.30:1 Secondary ≤1.30:1	Operating Temperature	-55~+85°C
¹ Power Handling	Incident ≤30Watt; Reflected ≤30Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	70g
Port Connectors	SMA-Female		

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

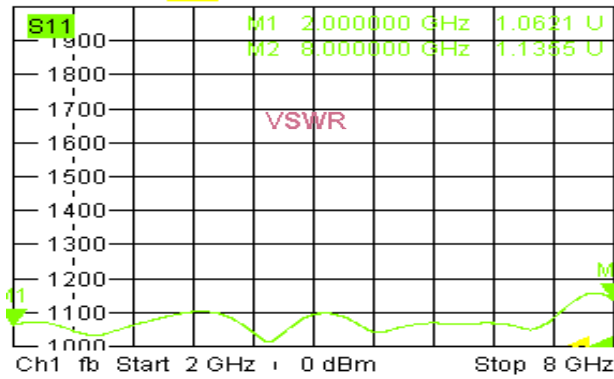


Typical Performance

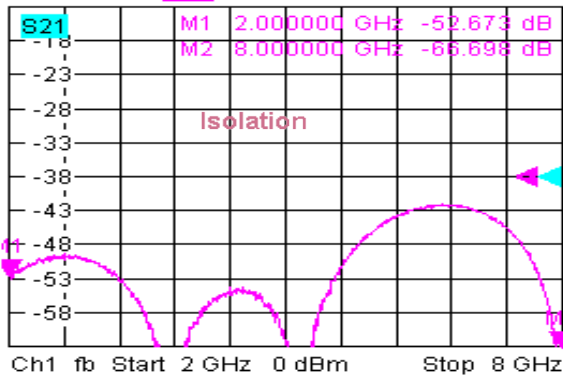
1. Coupling Factor & Sensitivity, Isolation, VSWR



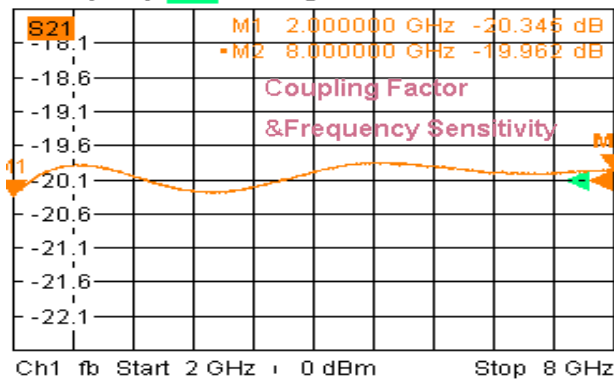
Trc1 **S11** SWR 100 mU/ Ref 1 U Cal
 Mem5[Trc1] **S11** SWR 100 mU/ Ref 1 U Invisib



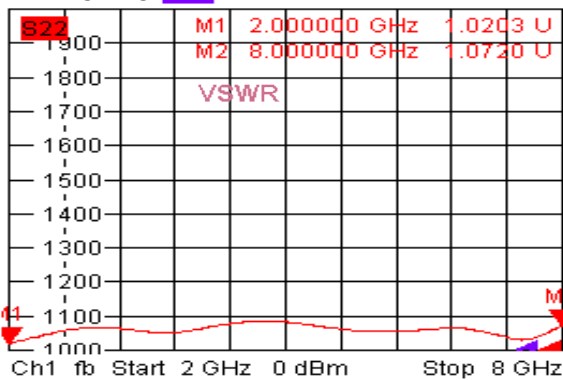
Trc2 **S21** dB Mag 5 dB / Ref -38 dB
 Mem6[Trc2] **S21** dB Mag 5 dB / Ref -38 dB



Trc3 **S21** dB Mag 0.5 dB / Ref -20.1 dB
 Mem7[Trc3] **S21** dB Mag 0.5 dB / Ref -20.1 dB



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



8/28/2020, 10:32 AM

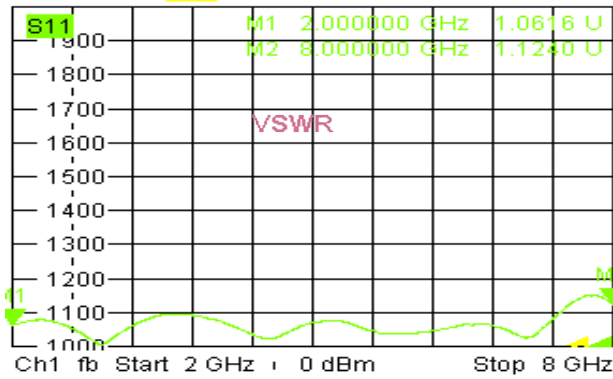


Typical Performance

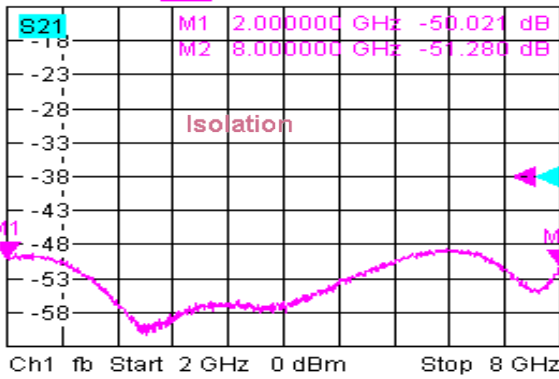
2. Coupling Factor & Sensitivity, Isolation, VSWR



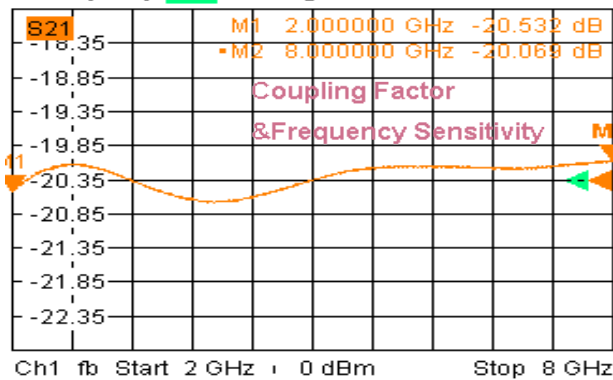
Trc1 Mem5[Trc1] **S11** SWR 100 mU/ Ref 1 U Cal Invisible



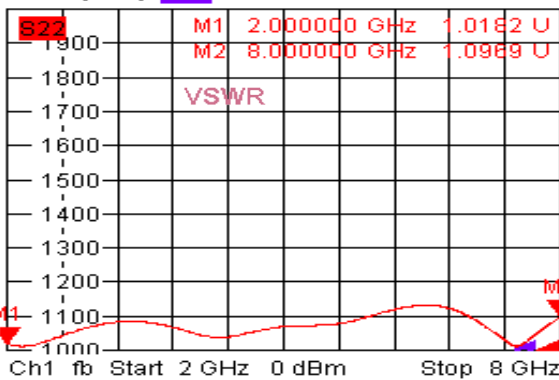
Trc2 Mem6[Trc2] **S21** dB Mag 5 dB / Ref -38 dB



Trc3 Mem7[Trc3] **S21** dB Mag 0.5 dB / Ref -20.35 dB



Trc4 Mem8[Trc4] **S22** SWR 100 mU/ Ref 1 U Cal Invisible

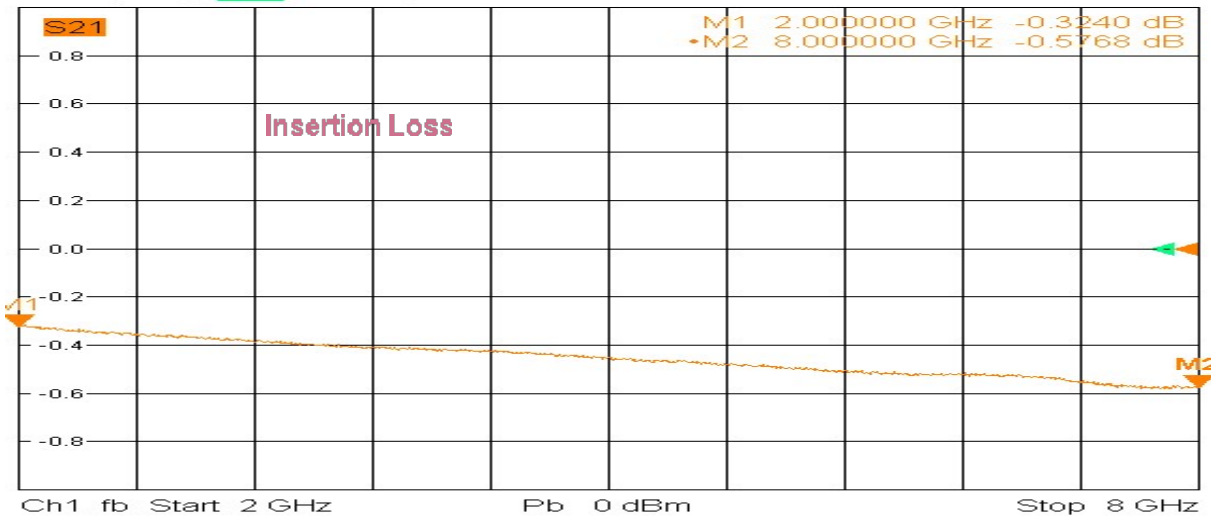


8/28/2020, 10:32 AM

3. Insertion Loss



Trc3 Mem7[Trc3] **S21** dB Mag 0.2 dB / Ref 0 dB Cal Invisible 3 (Max)



8/28/2020, 10:32 AM

