

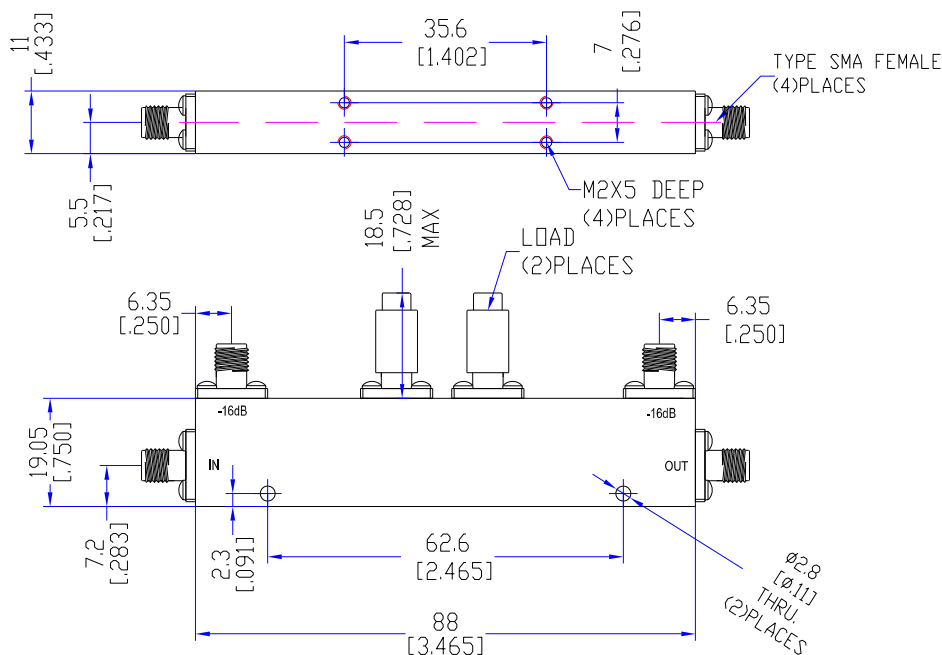
Model TDC20180A16D

Features

Low VSWR
High Directivity
Broadband & Miniature Size

Technical Data Sheet			
Frequency Range	2~18GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤1.6dB (Excl. Coupling Loss 0.22dB)	Connector Body	Passivated Stainless Steel
Coupling Factor	≤16±1dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Coupling Sensitivity	≤±1dB	Connector Pin	Beryllium Copper, Gold Plate
Directivity	≥12dB	Solder	Lead Free, RoHS Compliant
VSWR	Primary ≤1.50:1 Secondary ≤1.50:1	Operating Temperature	-55~+85°C
¹ Power Handling	Incident ≤20Watt; Reflected ≤20Watt	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.

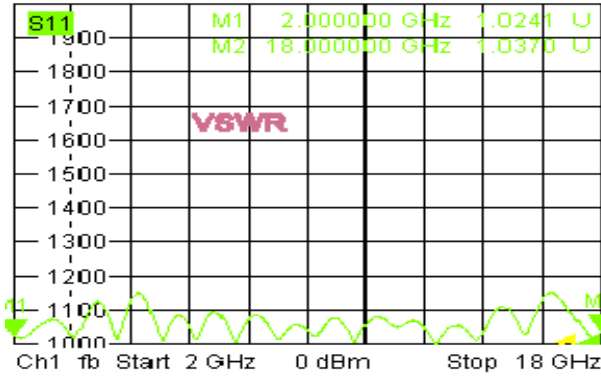


Typical Performance

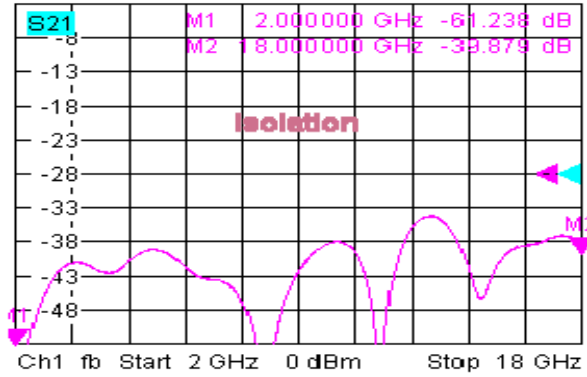
1. Coupling Factor & Sensitivity, Isolation, VSWR



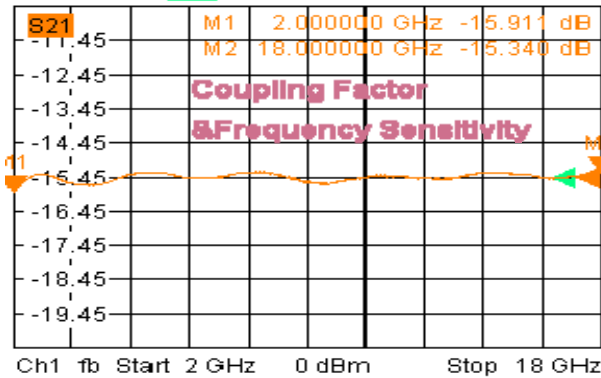
Trc1 **S11** SWR 100 mU/ Ref1 U Cal
 Mem5[Trc1] **S11** SWR 100 mU/ Ref1 U Invisi



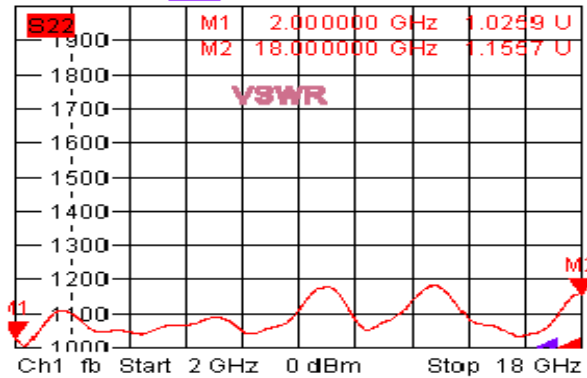
Trc2 **S21** dB Mag 5 dB / Ref -28 dB II
 Mem6[Trc2] **S21** dB Mag 5 dB / Ref -28 dB



Trc3 **S21** dB Mag 1 dB / Ref -15.45 dB
 Mem7[Trc3] **S21** dB Mag 1 dB / Ref -15.45 dB



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

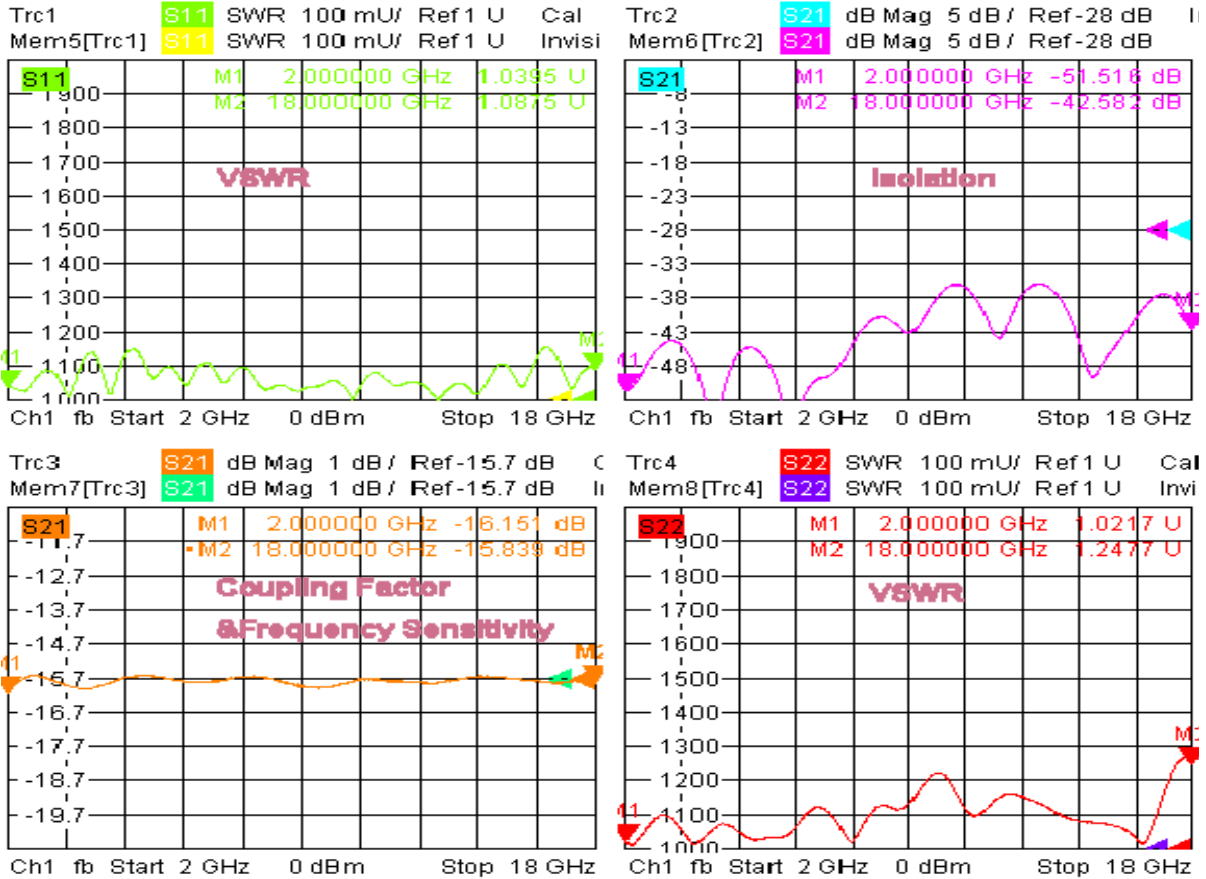


1/3/2019, 2:17 PM



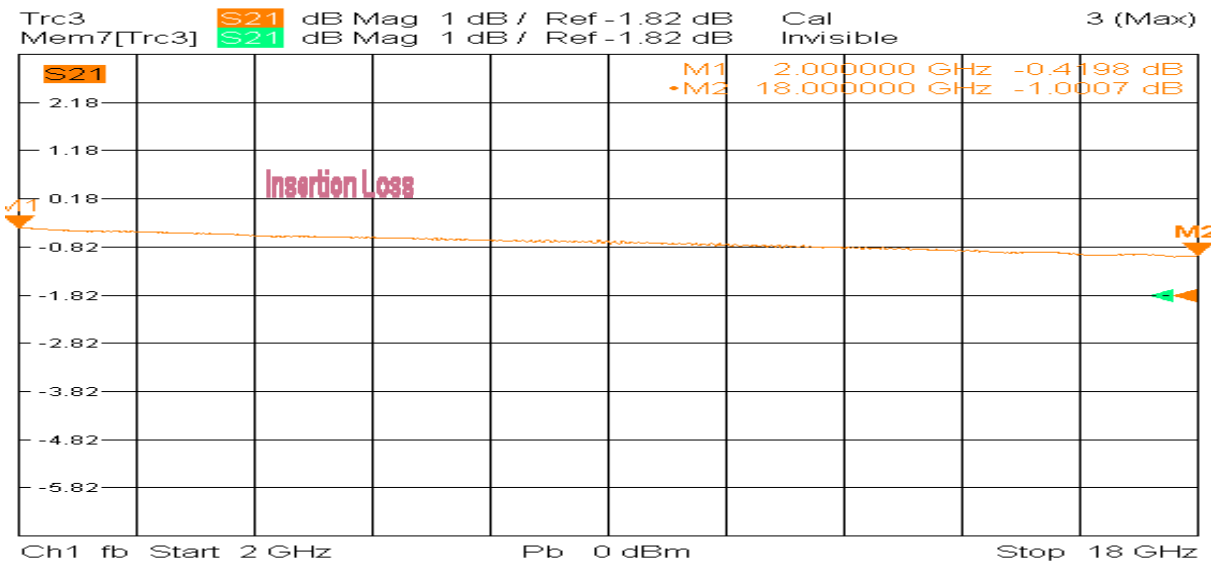
Typical Performance

2. Coupling Factor & Sensitivity, Isolation, VSWR



1/3/2019, 2:18 PM

3. Insertion Loss



1/3/2019, 2:18 PM

