

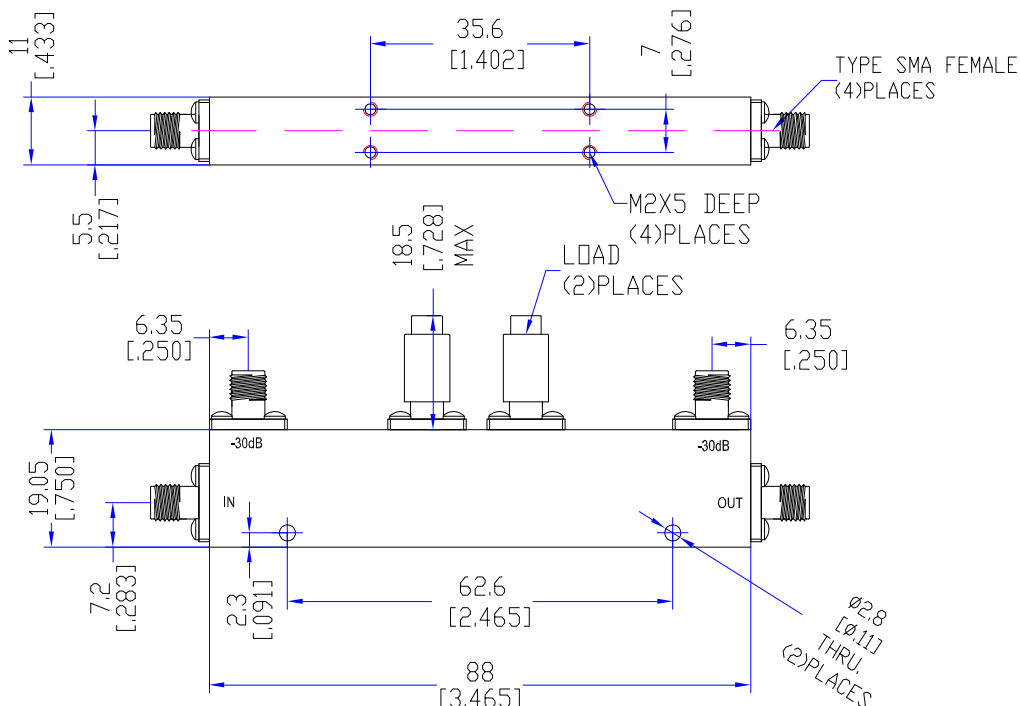
Model TDC60180A30D

Features

Low VSWR
High Directivity
Broadband & Miniature Size

Technical Data Sheet			
Frequency Range	6~18GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤1.5dB (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	≥10dB	Solder	Lead Free, RoHS Compliant
VSWR	Primary ≤1.50:1 Secondary ≤1.50:1	Operating Temperature	-55~+85°C
¹ Power Handling	Incident ≤50Watt; Reflected ≤50Watt	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.

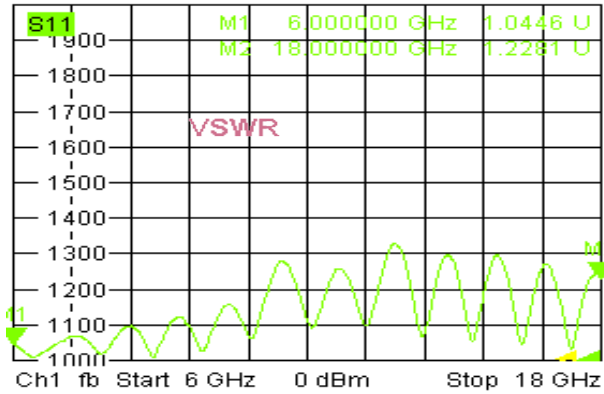


Typical Performance

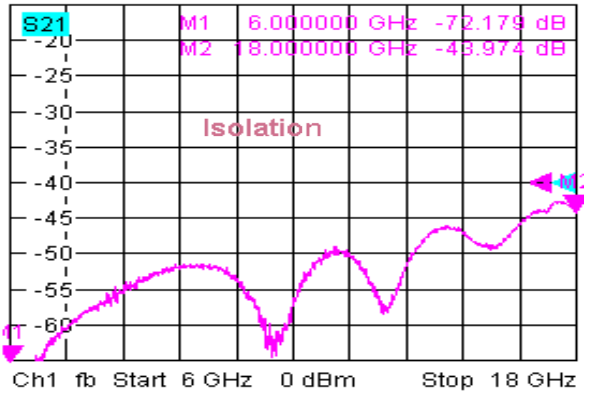
1. Coupling Factor & Sensitivity, Isolation, VSWR



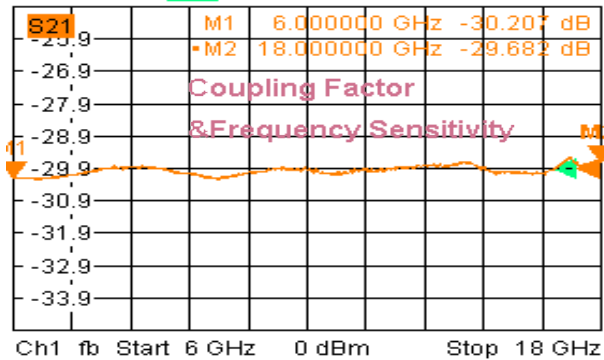
Trc1 Mem5[Trc1] **S11** SWR 100 mU/ Ref 1 U Cal
S11 SWR 100 mU/ Ref 1 U Invisi



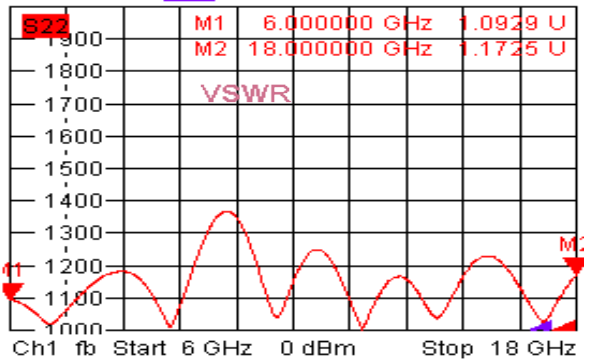
Trc2 Mem6[Trc2] **S21** dB Mag 5 dB / Ref -40 dB II
S21 dB Mag 5 dB / Ref -40 dB



Trc3 Mem7[Trc3] **S21** dB Mag 1 dB / Ref -29.9 dB C
S21 dB Mag 1 dB / Ref -29.9 dB II



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

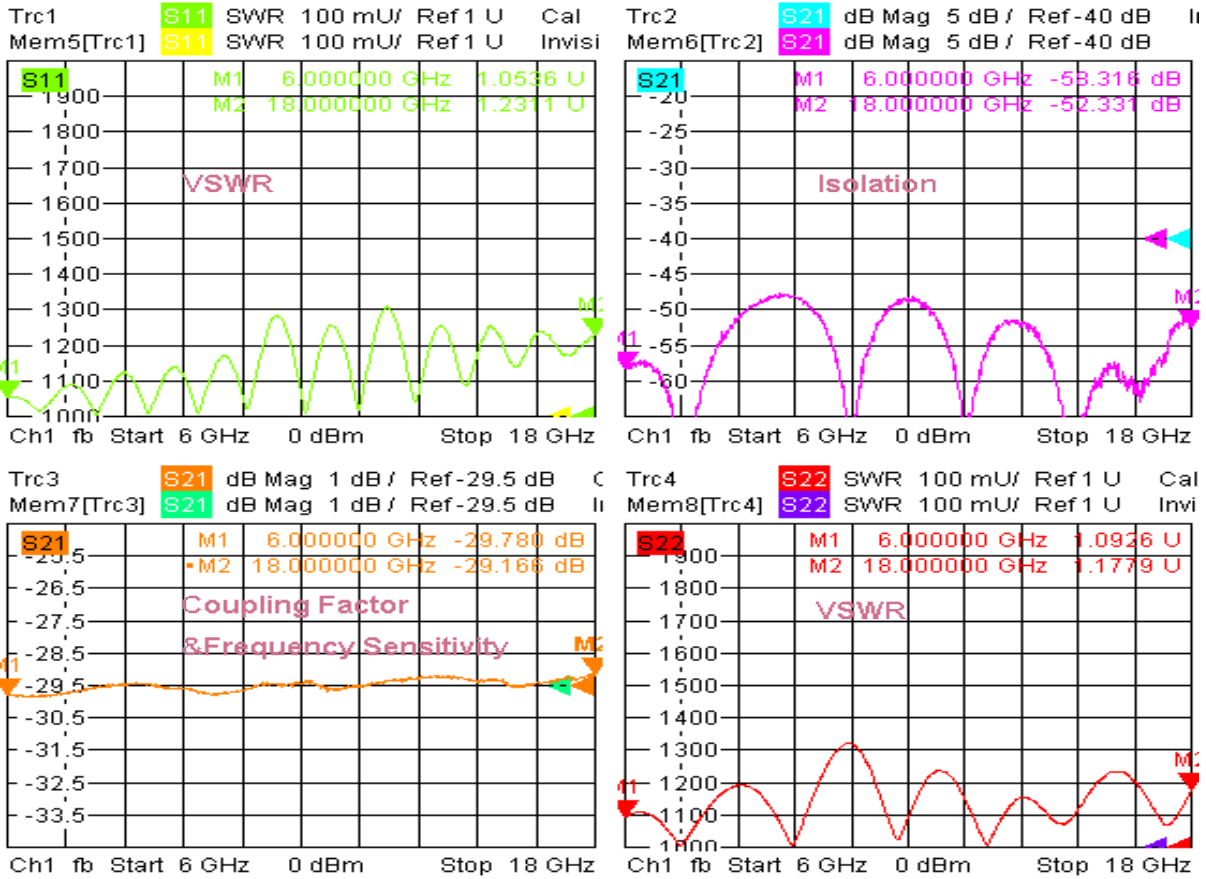


7/6/2020, 1:15 PM



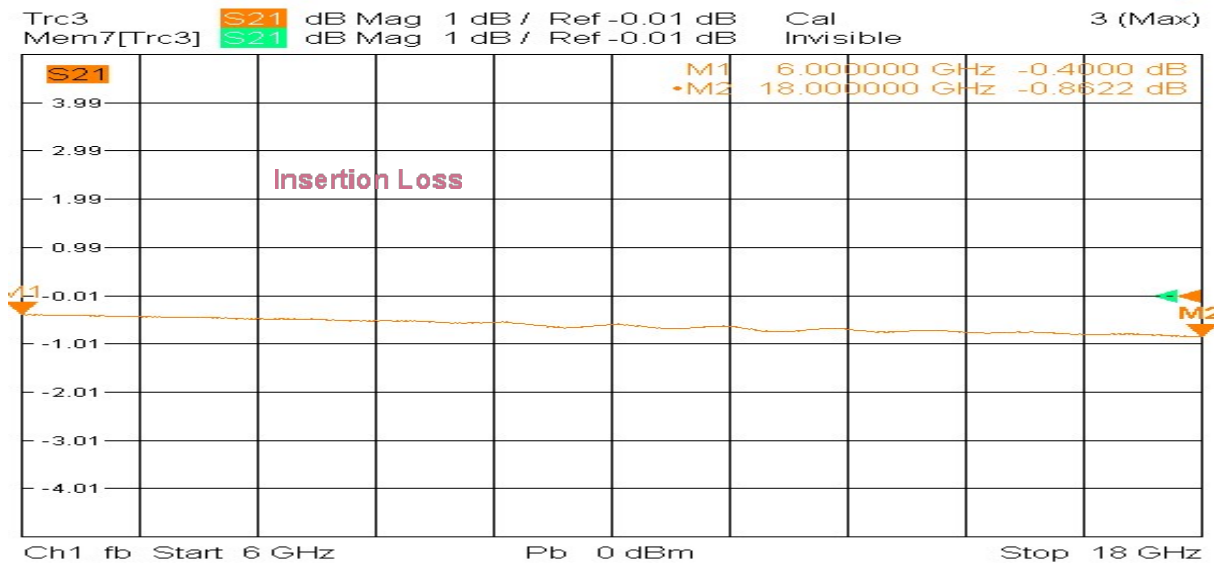
Typical Performance

2. Coupling Factor & Sensitivity, Isolation, VSWR



7/6/2020, 1:16 PM

3. Insertion Loss



7/6/2020, 1:50 PM

