

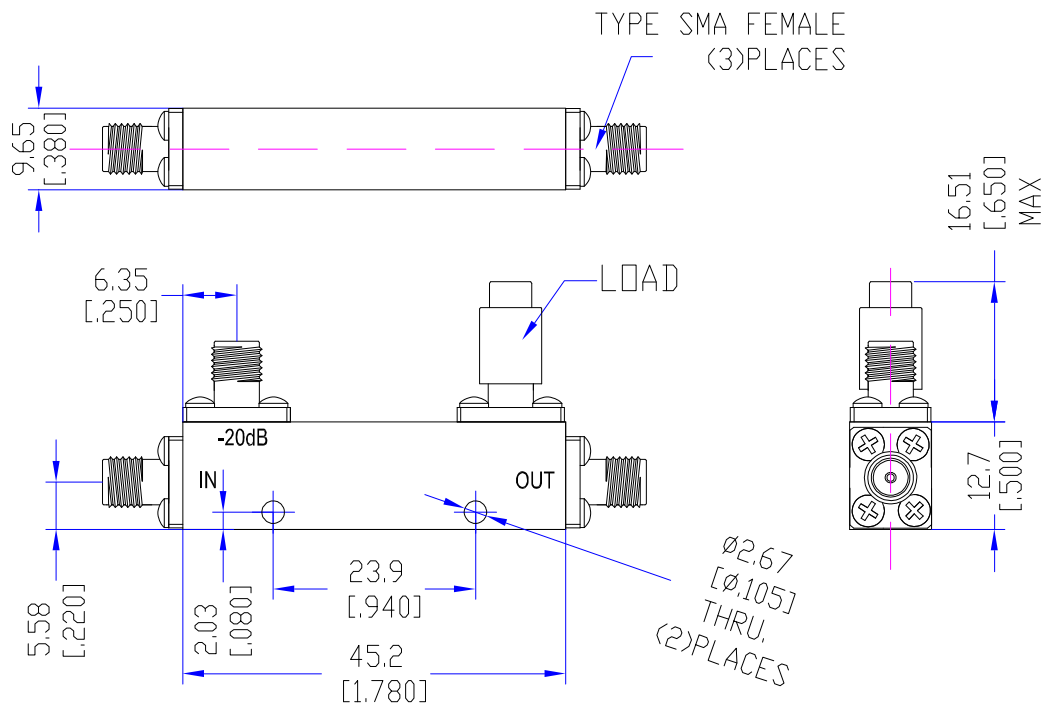
Model TDC1516A20

Features

- Low VSWR
- High Directivity
- Broadband & Miniature Size

Technical Data Sheet			
Frequency Range	1.5~1.65GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤0.2dB (Excl. Coupling Loss 0.04dB)	Connector Body	Passivated Stainless Steel
Coupling Factor	≤20±0.7dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Coupling Sensitivity	≤±0.75dB	Connector Pin	Beryllium Copper, Gold Plate
Directivity	≥30dB	Solder	Lead Free, RoHS Compliant
VSWR	Primary ≤1.15:1 Secondary ≤1.15:1	Operating Temperature	-55~+85°C
¹ Power Handling	Incident ≤50Watt; Reflected ≤50Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	30g
Port Connectors	SMA-Female		

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

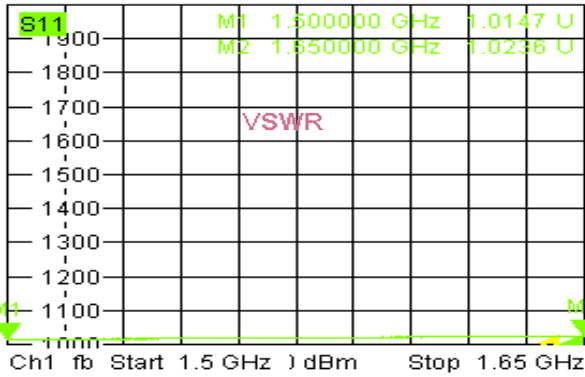


Typical Performance

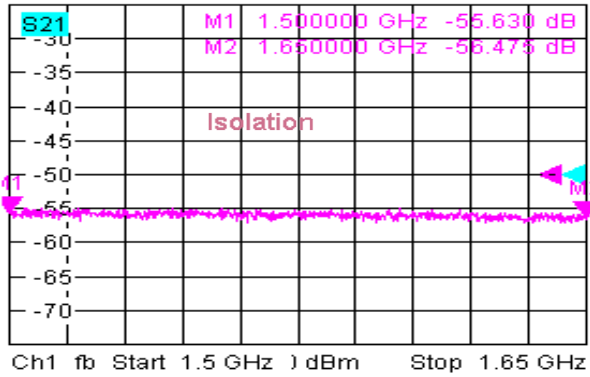
1. Coupling Factor & Sensitivity, Isolation, VSWR



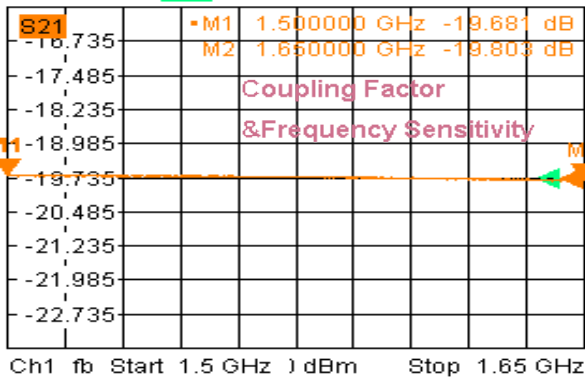
Trc1 Mem5[Trc1] **S11** SWR 100 mU/ Ref1 U Cal Invis



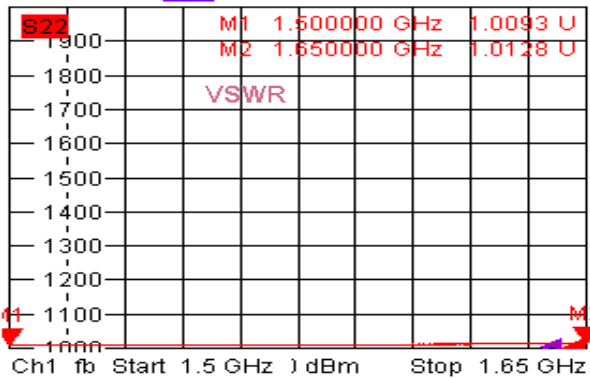
Trc2 Mem6[Trc2] **S21** dB Mag 5 dB / Ref-50 dB In



Trc3 Mem7[Trc3] **S21** dB Mag 0.75 dB / Ref-19.735



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

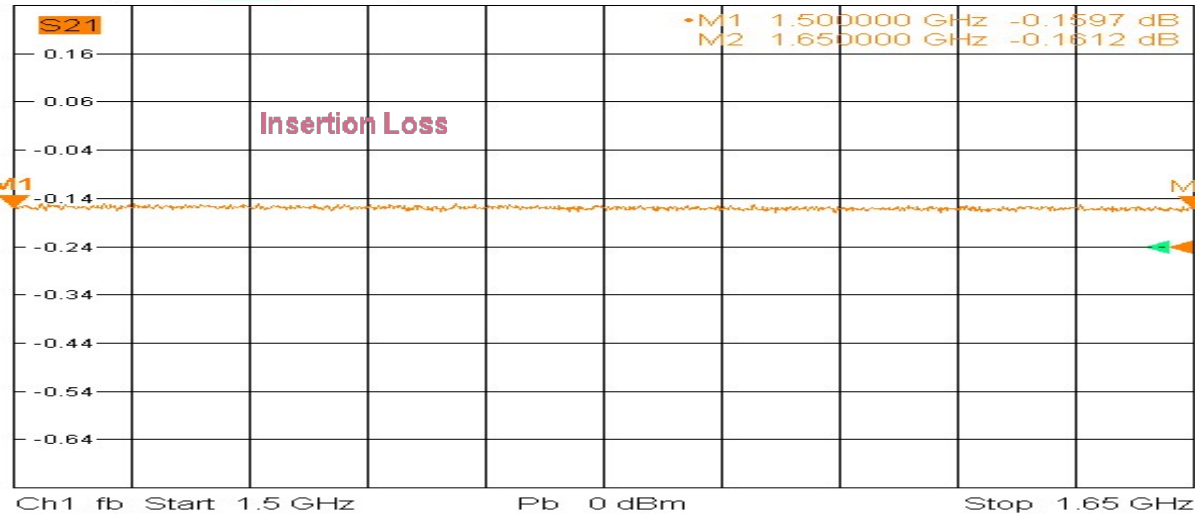


8/24/2020, 9:49 AM

2. Insertion Loss



Trc3 Mem7[Trc3] **S21** dB Mag 0.1 dB / Ref -0.24 dB Cal Invisible 3 (Max)



8/24/2020, 9:49 AM

