

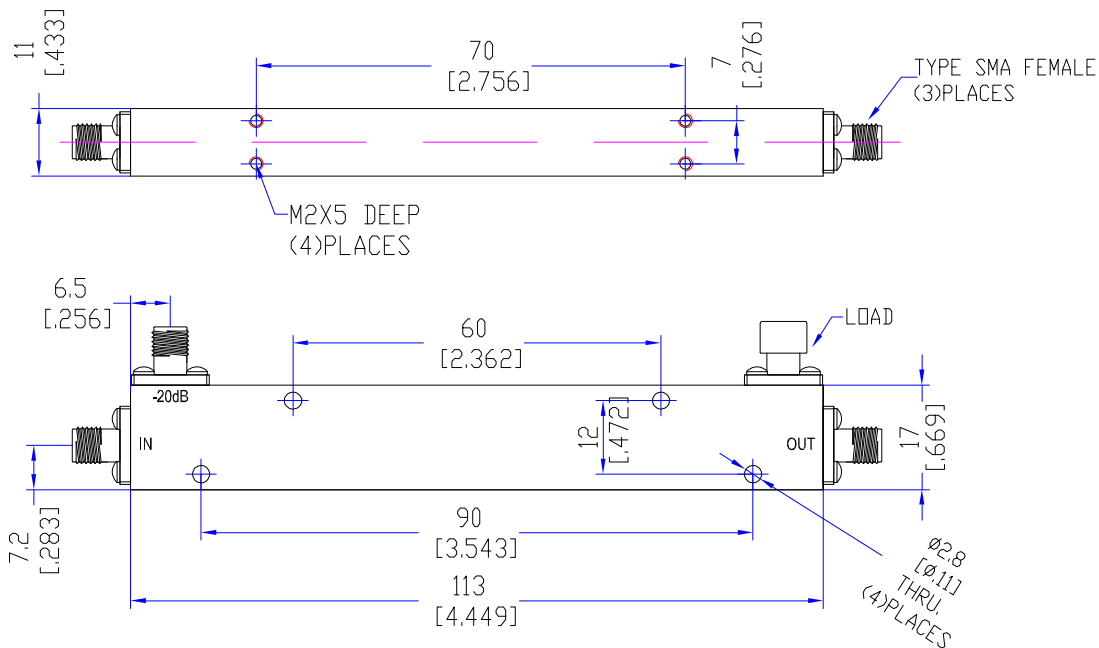
Model TDC0525A20

Features

- Low VSWR
- High Directivity
- Broadband & Miniature Size

Technical Data Sheet			
Frequency Range	0.5~2.5GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤0.4dB (Excl. Coupling Loss 0.04dB)	Connector Body	-----
Coupling Factor	≤20±0.7dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Coupling Sensitivity	≤±0.7dB	Connector Pin	Beryllium Copper, Gold Plate
Directivity	≥20dB	Solder	Lead Free, RoHS Compliant
VSWR	Primary ≤1.20:1 Secondary ≤1.20:1	Operating Temperature	-20~+65°C
¹ Power Handling	Incident ≤50Watt; Reflected ≤2Watt	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.

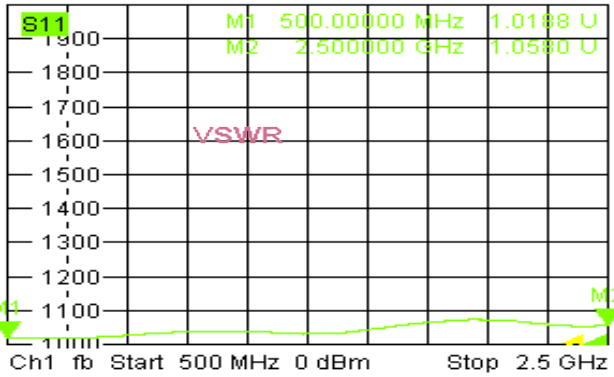


Typical Performance

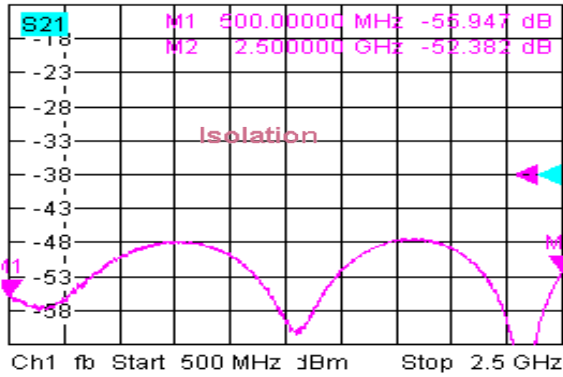
1. Coupling Factor & Sensitivity, Isolation, VSWR



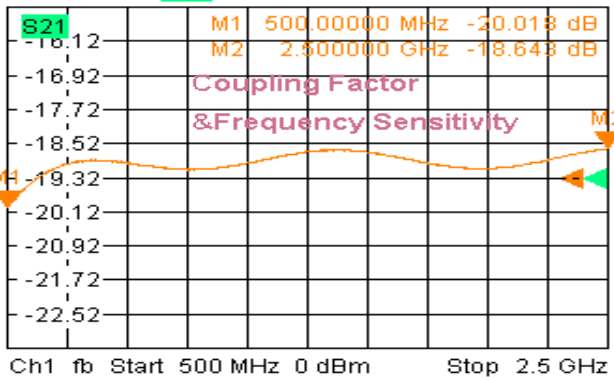
Trc1 **S11** SWR 100 mU/ Ref1 U Cal
Mem5[Trc1] **S11** SWR 100 mU/ Ref1 U Invisib



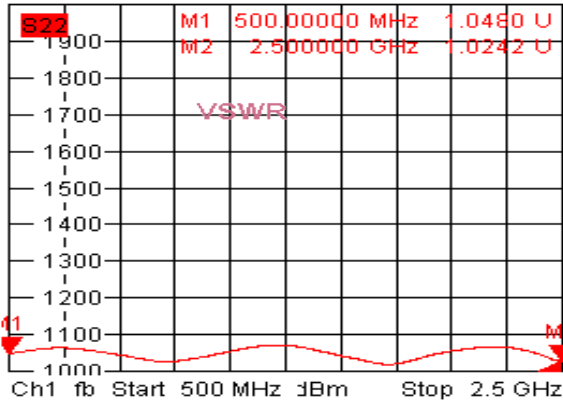
Trc2 **S21** dB Mag 5 dB / Ref-38 dB
Mem6[Trc2] **S21** dB Mag 5 dB / Ref-38 dB



Trc3 **S21** dB Mag 0.8 dB / Ref-19.32 dB
Mem7[Trc3] **S21** dB Mag 0.8 dB / Ref-19.32 dB



Trc4 **S22** SWR 100 mU/ Ref1 U Cal 4

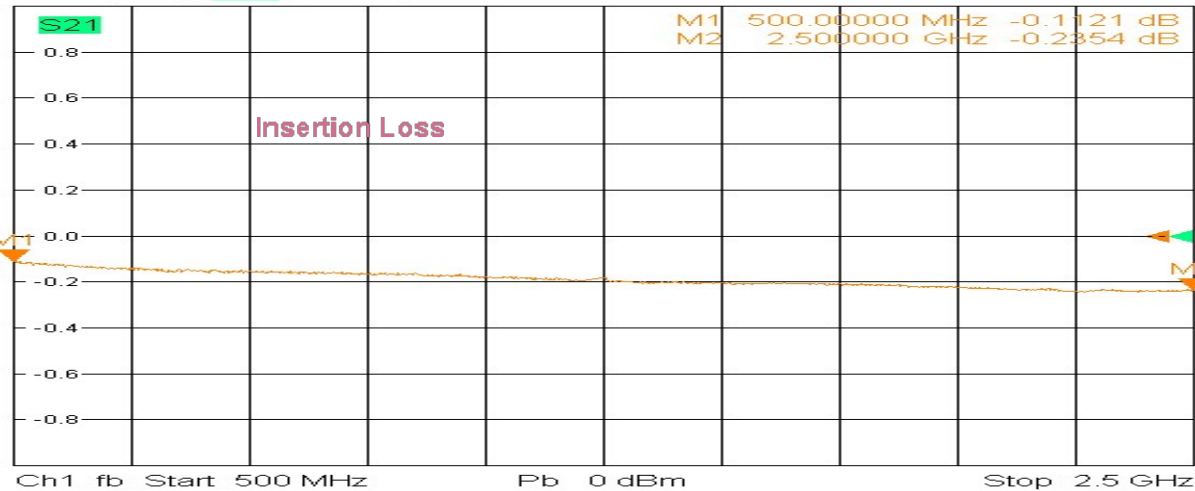


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2. Insertion Loss



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



6/11/2020, 2:15 PM

