

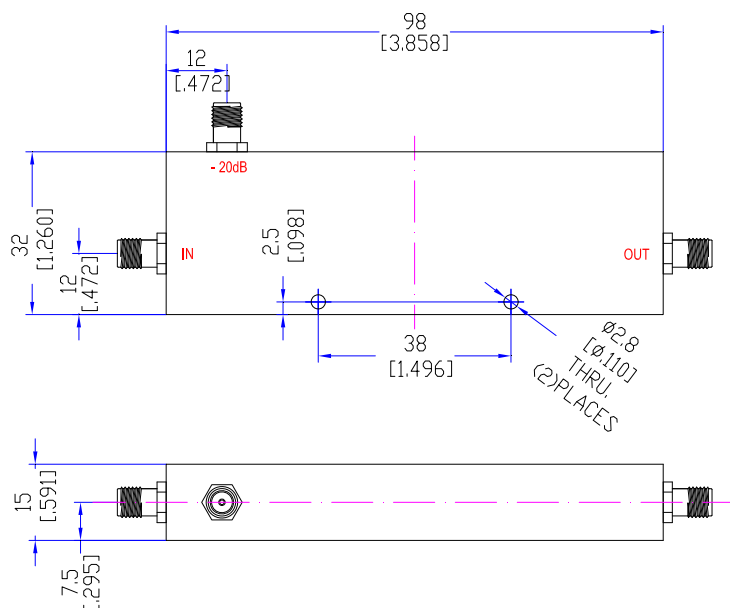
Model TDC0622A20

Features

Low VSWR
High Directivity
Broadband & Miniature Size

Technical Data Sheet			
Frequency Range	0.6~2.2GHz	Finish	Natural oxygen
Insertion Loss	≤0.45dB (Excl. Coupling Loss 0.04dB)	Connector Body	Beryllium Copper, Gold Plate
Coupling Factor	≤20±1.0dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Coupling Sensitivity	≤±1.5dB	Connector Pin	Beryllium Copper, Gold Plate
Directivity	≥20dB	Solder	Lead Free, RoHS Compliant
VSWR	Primary ≤1.22:1 Secondary ≤1.22:1	Operating Temperature	-55~+85°C
¹ Power Handling	Incident ≤20Watt; Reflected ≤1Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Absolute	25 g/m ³
Port Connectors	SMA-Female	Air pressure	70-106 kpa
Weight	100g	Shock vibrations(random)	& 5-20 Hz, 0.000298 g ² /Hz 20-150 Hz, -6 dB/oct, 15 min, 0.1gRMS

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

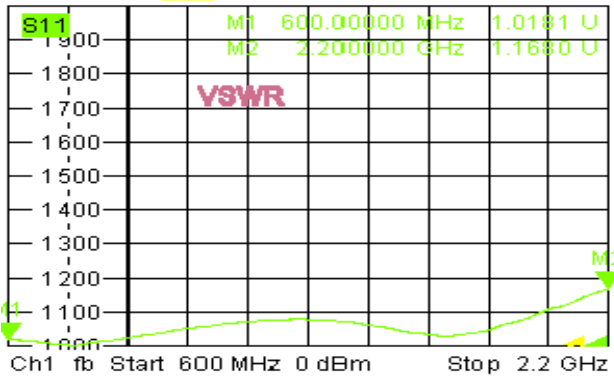


Typical Performance

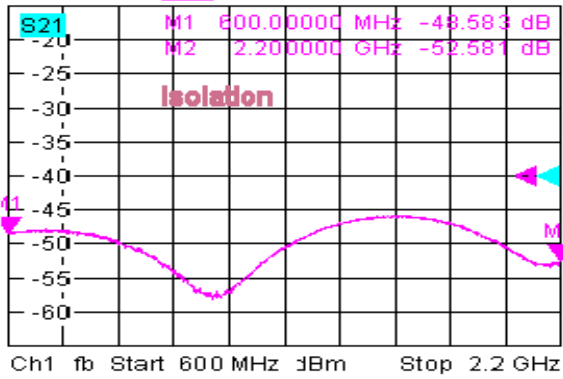
1. Coupling, Frequency Sensitivity, VSWR & Isolation



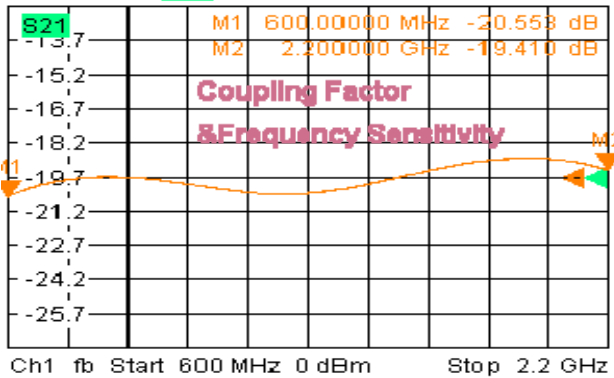
Trc1 **S11** SWR 100 mU/ Ref1 U Cal
 Mem5[Trc1] **S21** SWR 100 mU/ Ref1 U Invisib



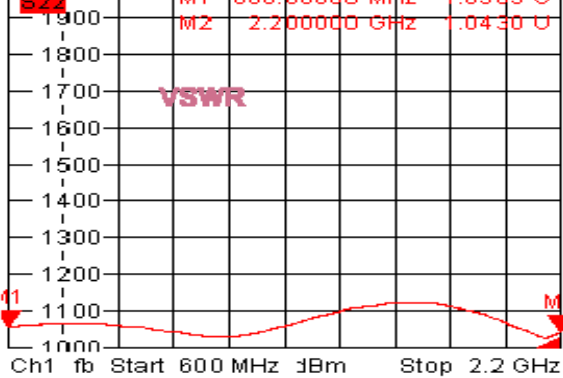
Trc2 **S21** dB Mag 5 dB / Ref -40 dB
 Mem6[Trc2] **S21** dB Mag 5 dB / Ref -40 dB



Trc3 **S21** dB Mag 1.5 dB / Ref -19.7 dB
 Mem7[Trc3] **S21** dB Mag 1.5 dB / Ref -19.7 dB



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

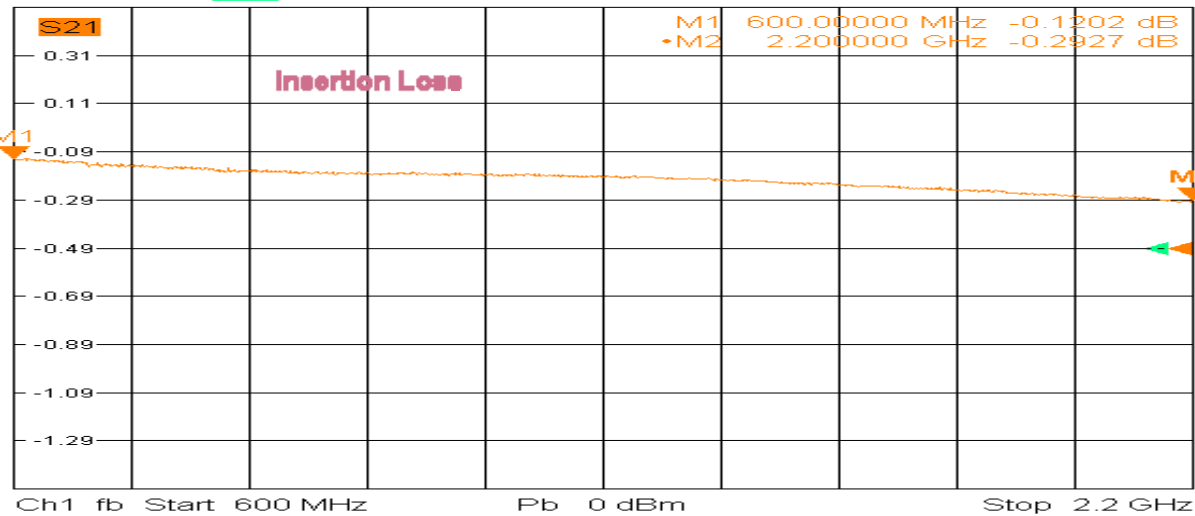


2/27/2019, 10:15 AM

2. Insertion Loss



Trc3 **S21** dB Mag 0.2 dB / Ref -0.49 dB Cal 3 (Max)
 Mem7[Trc3] **S21** dB Mag 0.2 dB / Ref -0.49 dB Invisib



2/27/2019, 10:32 AM

