

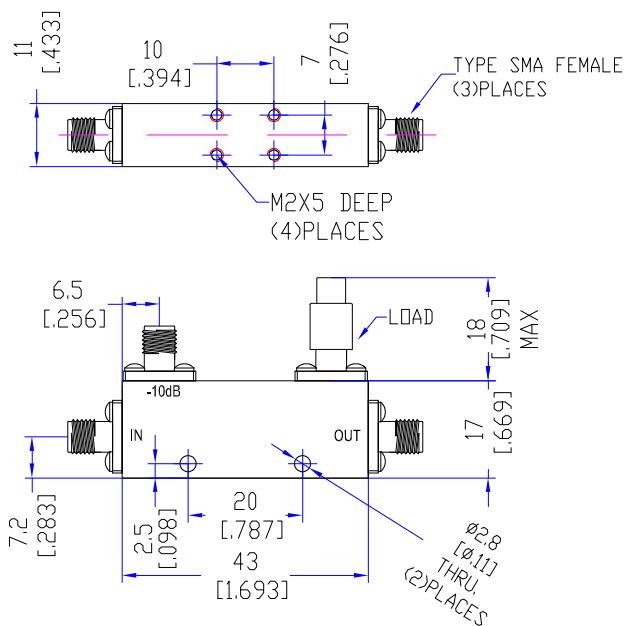
Model TDC100160A6

Features

Low VSWR
High Directivity
Broadband & Miniature Size

Technical Data Sheet			
Frequency Range	10~16GHz	Finish	Natural Conductive Oxidation
Insertion Loss	≤0.5dB (Excl. Coupling Loss 1.26dB)	Connector Body	Brass, Tri-Alloy Plate
Coupling Factor	≤6±0.6dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Coupling Sensitivity	≤±0.8dB	Connector Pin	Beryllium Copper, Gold Plate
Directivity	≥20dB	Solder	Lead Free, RoHS Compliant
VSWR	Primary ≤1.30:1 Secondary ≤1.30:1	Operating Temperature	-55~+85°C
¹ Power Handling	Incident ≤30Watt; Reflected ≤2Watt	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.

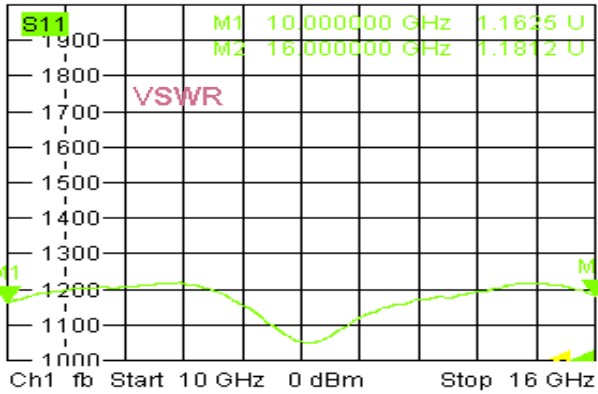


Typical Performance

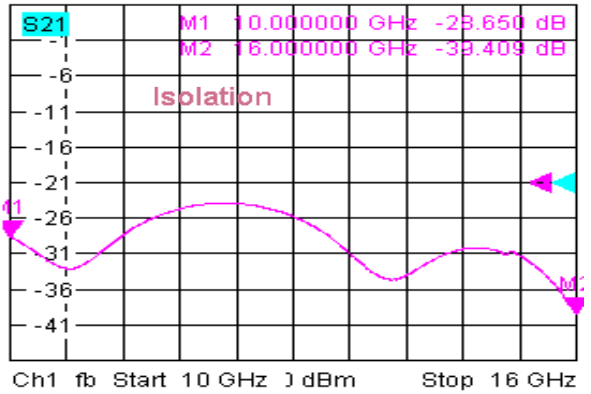
1. Coupling Factor & Sensitivity, Isolation, VSWR



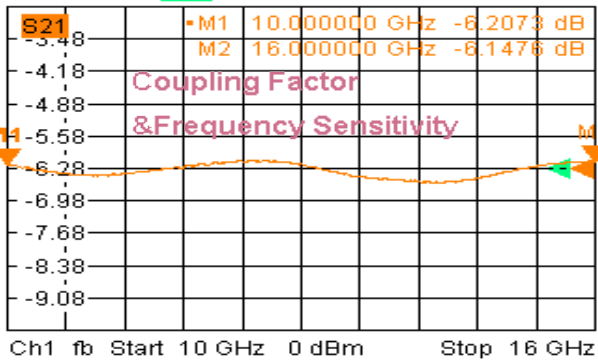
Trc1 **S11** SWR 100 mU/ Ref 1 U Cal
 Mem5[Trc1] **S11** SWR 100 mU/ Ref 1 U Invisi



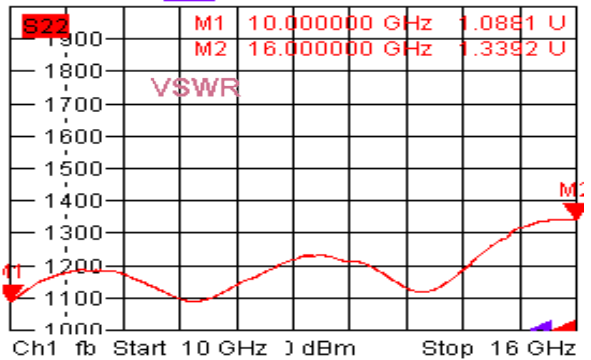
Trc2 **S21** dB Mag 5 dB / Ref -21 dB II
 Mem6[Trc2] **S21** dB Mag 5 dB / Ref -21 dB



Trc3 **S21** dB Mag 0.7 dB / Ref -6.28 dB
 Mem7[Trc3] **S21** dB Mag 0.7 dB / Ref -6.28 dB



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

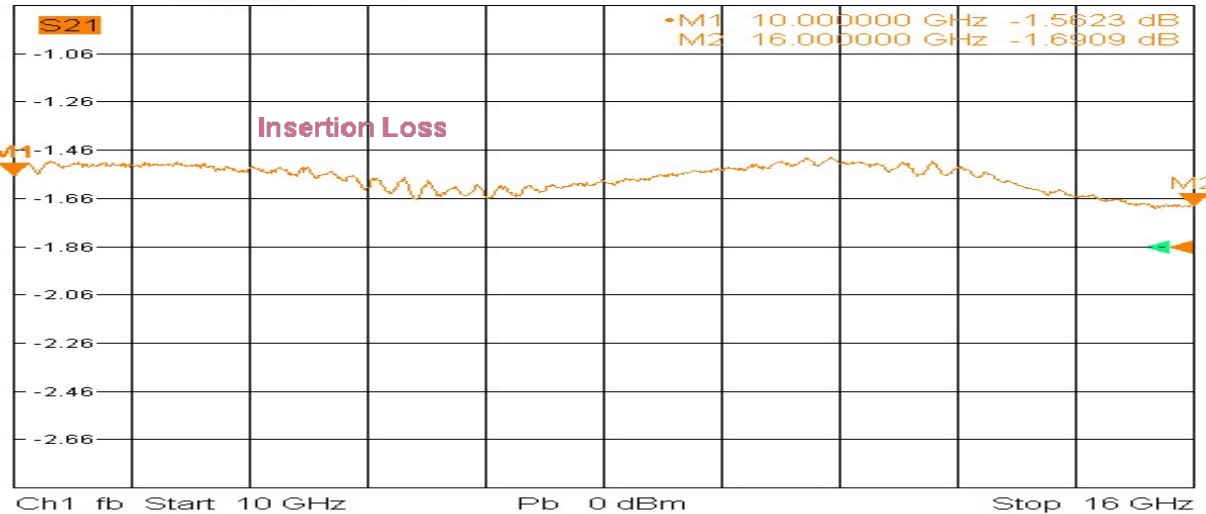


4/11/2020, 12:40 AM

2. Insertion Loss



Trc3 **S21** dB Mag 0.2 dB / Ref -1.86 dB Cal
 Mem7[Trc3] **S21** dB Mag 0.2 dB / Ref -1.86 dB Invisi 3 (Max)



4/11/2020, 12:42 AM

