

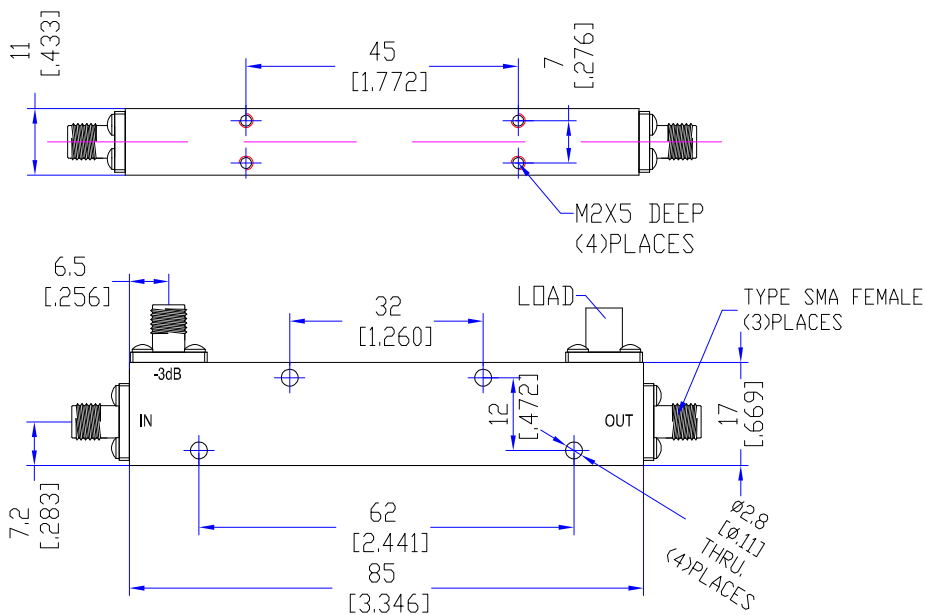
Model TDC0827A3

Features

- Low VSWR
- High Directivity
- Broadband & Miniature Size

Technical Data Sheet			
Frequency Range	790~2700MHz	Finish	Natural Conductive Oxidation
Insertion Loss	≤0.5dB (Excl. Coupling Loss 3.01dB)	Connector Body	Brass, Tri-Alloy Plate
Coupling Factor	≤3±0.8dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Coupling Sensitivity	≤±0.6dB	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℃
¹ Power Handling	Incident ≤20Watt; Reflected ≤1Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	50g
Port Connectors	SMA-Female		

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

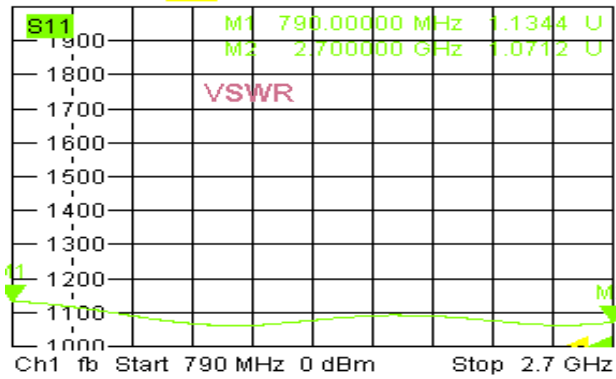


Typical Performance

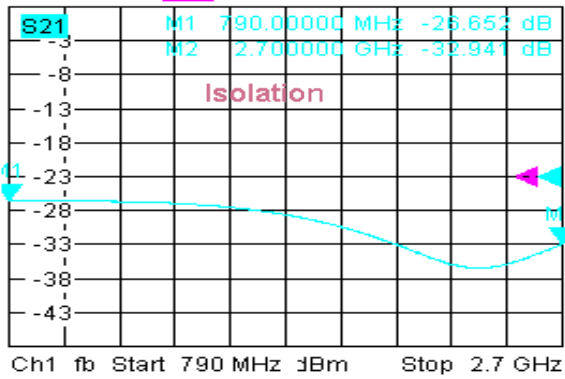
1. Coupling Factor & Sensitivity, Isolation, VSWR



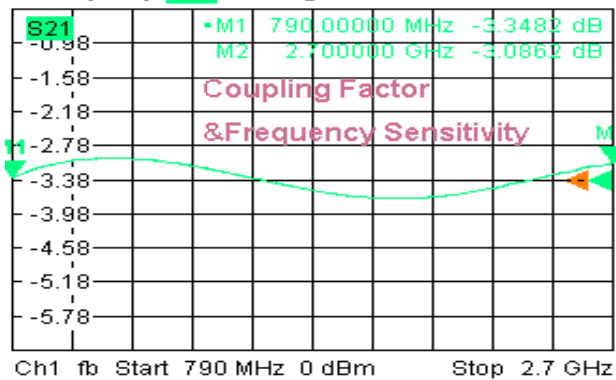
Trc1 **S11** SWR 100 mU/ Ref1 U Cal
Mem5[Trc1] **S11** SWR 100 mU/ Ref1 U Invisib



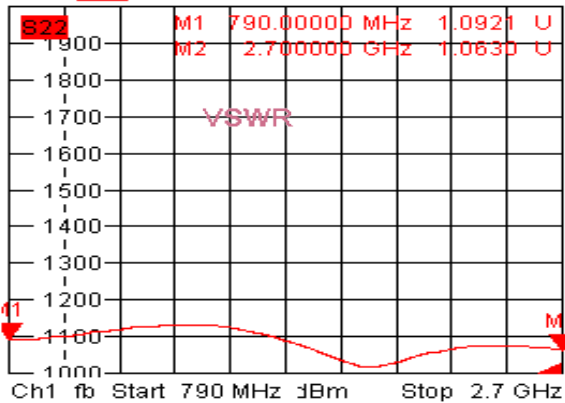
Trc2 **S21** dB Mag 5 dB / Ref-23 dB
Mem6[Trc2] **S21** dB Mag 5 dB / Ref-23 dB



Trc3 **S21** dB Mag 0.6 dB / Ref-3.38 dB
Mem7[Trc3] **S21** dB Mag 0.6 dB / Ref-3.38 dB



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

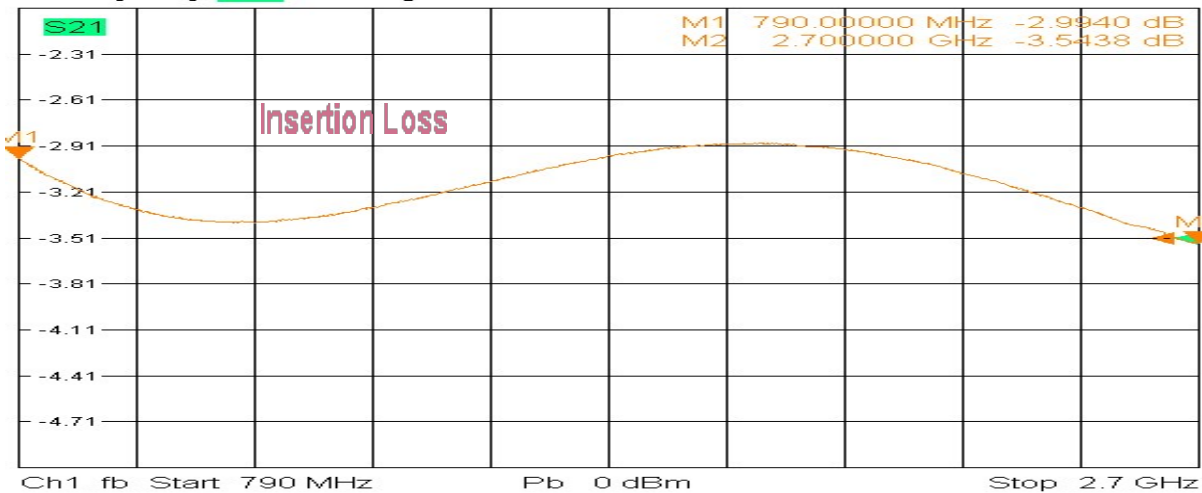


10/21/2019, 4:52 AM

2. Insertion Loss



Trc3 **S21** dB Mag 0.3 dB / Ref-3.51 dB Cal 3 (Max)
Mem7[Trc3] **S21** dB Mag 0.3 dB / Ref-3.51 dB Invisibile



10/21/2019, 5:02 AM

