

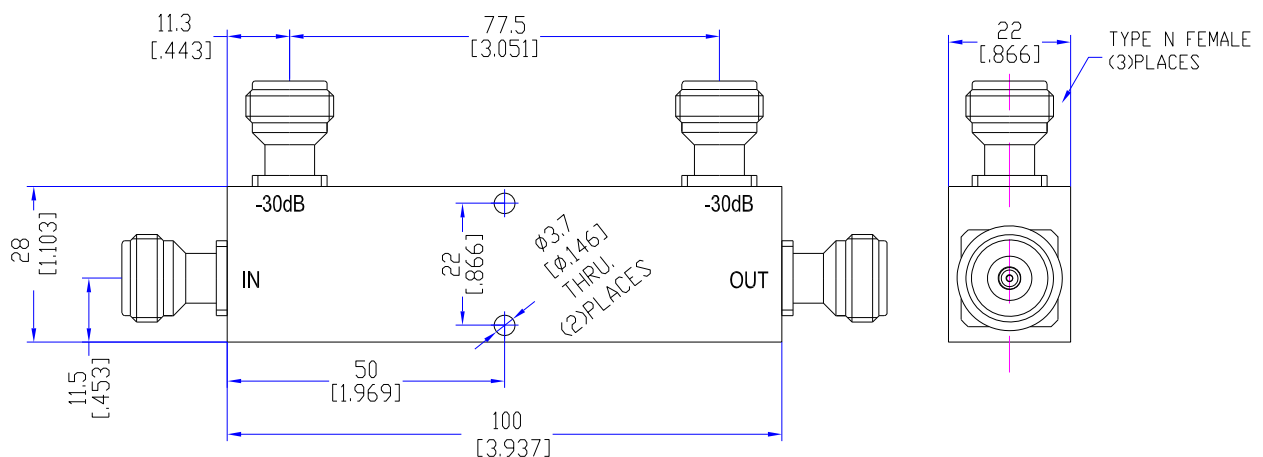
Model TDC1300N30

Features

- Low VSWR
- High Directivity
- Broadband & Miniature Size

Technical Data Sheet			
Frequency Range	1300±2MHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤0.2dB (Excl. Coupling Loss 0.01dB)	Connector Body	Brass, Tri-Alloy Plate
Coupling Factor	≤30±0.5dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Coupling Sensitivity	≤±0.1dB	Connector Pin	Beryllium Copper, Gold Plate
Directivity	≥24dB	Solder	Lead Free, RoHS Compliant
VSWR	Primary ≤1.10:1 Secondary ≤1.10:1	Operating Temperature	-55~+85°C
¹ Power Handling	Incident ≤50Watt; Reflected ≤5Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	230g
Port Connectors	N-Female		

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

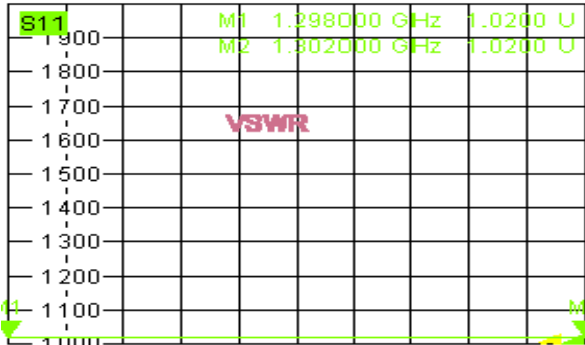


Typical Performance

1. Coupling Factor & Sensitivity, Isolation, VSWR

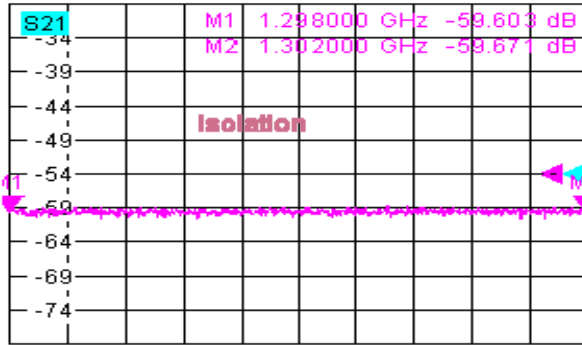


Trc1 **S11** SWR 100 mU/ Ref1 U Cal
 Mem5[Trc1] **S21** SWR 100 mU/ Ref1 U Invis



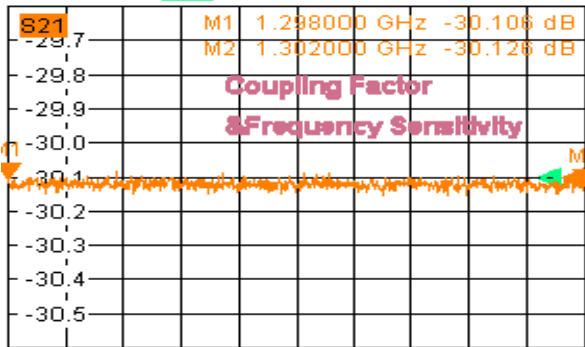
Ch1 fb Start 1.298 GHz Bm Stop 1.302 GHz

Trc2 **S21** dB Mag 5 dB / Ref -54 dB In
 Mem6[Trc2] **S21** dB Mag 5 dB / Ref -54 dB



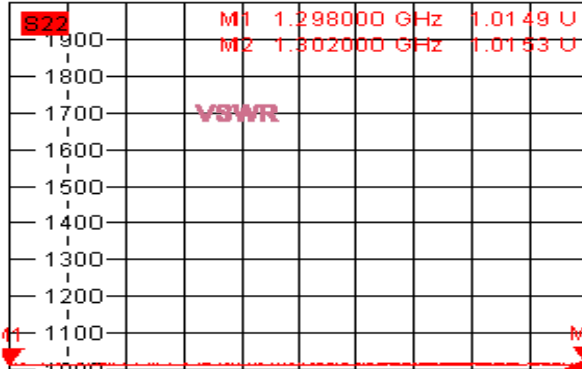
Ch1 fb Start 1.298 GHz Bm Stop 1.302 GHz

Trc3 **S21** dB Mag 0.1 dB / Ref -30.1 dB
 Mem7[Trc3] **S21** dB Mag 0.1 dB / Ref -30.1 dB



Ch1 fb Start 1.298 GHz Bm Stop 1.302 GHz

Trc4 **S22** SWR 100 mU/ Ref 1 U Cal 4



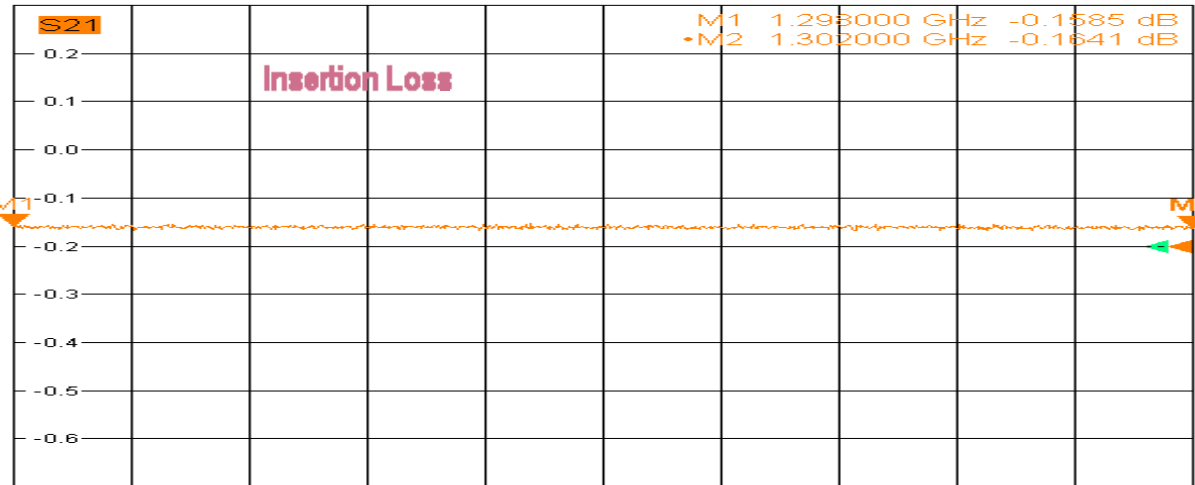
Ch1 fb Start 1.298 GHz Bm Stop 1.302 GHz

4/29/2019, 3:36 AM

2. Insertion Loss



Trc3 **S21** dB Mag 0.1 dB / Ref -0.2 dB Cal Math 3 (Max)
 Mem7[Trc3] **S21** dB Mag 0.1 dB / Ref -0.2 dB Invisible



Ch1 fb Start 1.298 GHz Pb 0 dBm Stop 1.302 GHz

4/29/2019, 3:38 AM

