

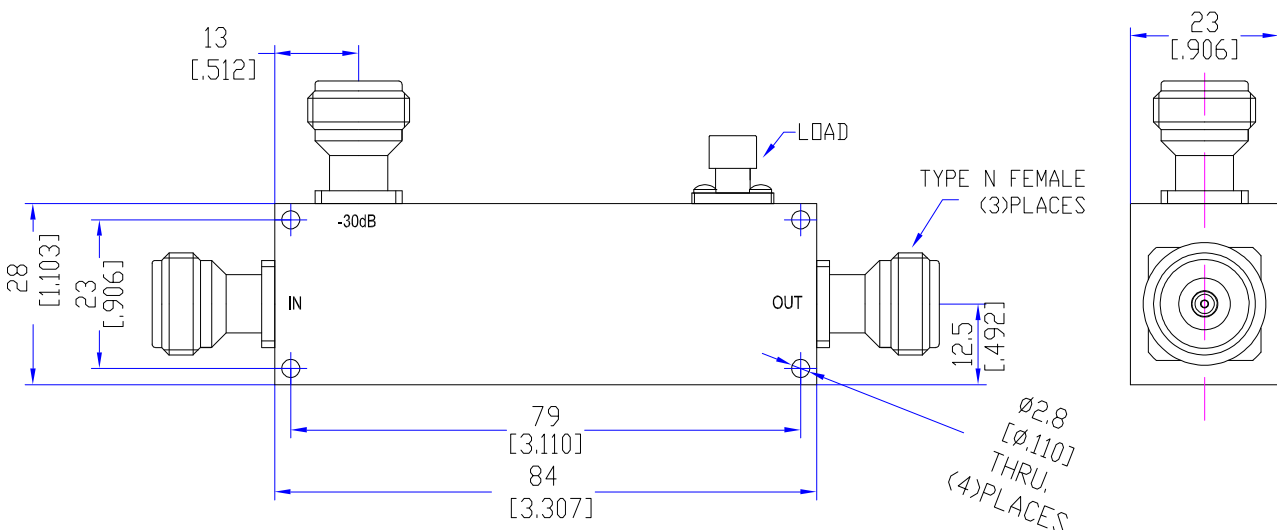
Model TDC1040N30

Features

Low VSWR
High Power
Broadband & Miniature Size

Technical Data Sheet			
Frequency Range	1~4GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤0.4dB (Excl. Coupling Loss 0.04dB)	Connector Body	Brass, Tri-Alloy Plate
Coupling Factor	≤30±0.7dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Coupling Sensitivity	≤±0.7dB	Connector Pin	Beryllium Copper, Gold Plate
Directivity	≥18dB	Solder	Lead Free, RoHS Compliant
VSWR	Primary ≤1.20:1 Secondary ≤1.20:1	Operating Temperature	-40~+85°C
¹ Power Handling	Incident ≤50Watt; Reflected ≤5Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	200g
Port Connectors	N-Female		

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

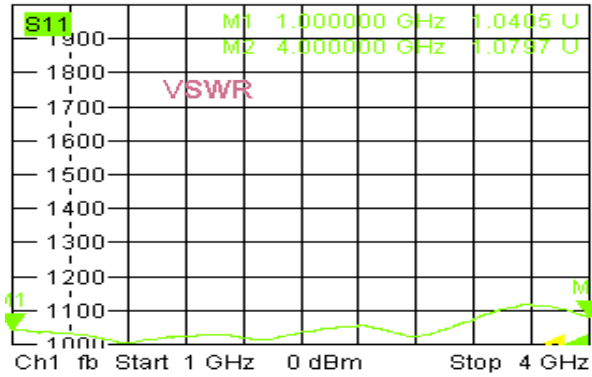


Typical Performance

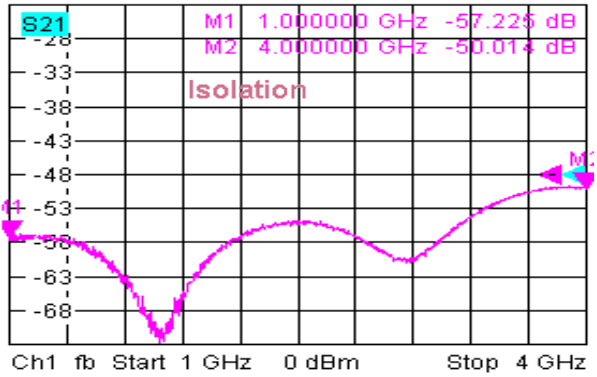
1. Coupling Factor & Sensitivity, Isolation, VSWR



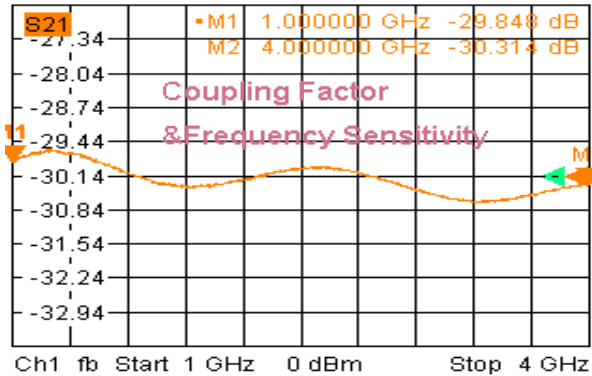
Trc1 Mem5[Trc1] S11 SWR 100 mU/ Ref1 U Cal Invis



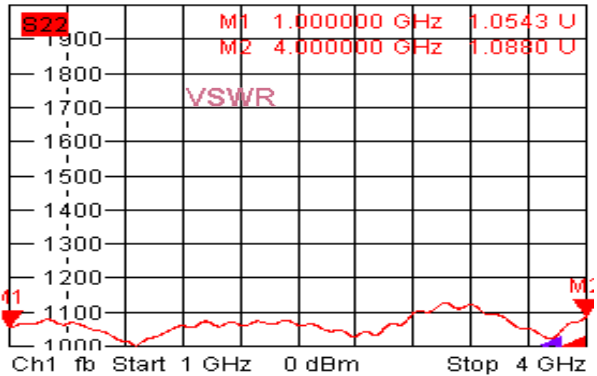
Trc2 Mem6[Trc2] S21 dB Mag 5 dB / Ref-48 dB In



Trc3 Mem7[Trc3] S21 dB Mag 0.7 dB / Ref-30.14 dB Cal Invis



Trc4 Mem8[Trc4] S22 SWR 100 mU/ Ref1 U Cal Invis

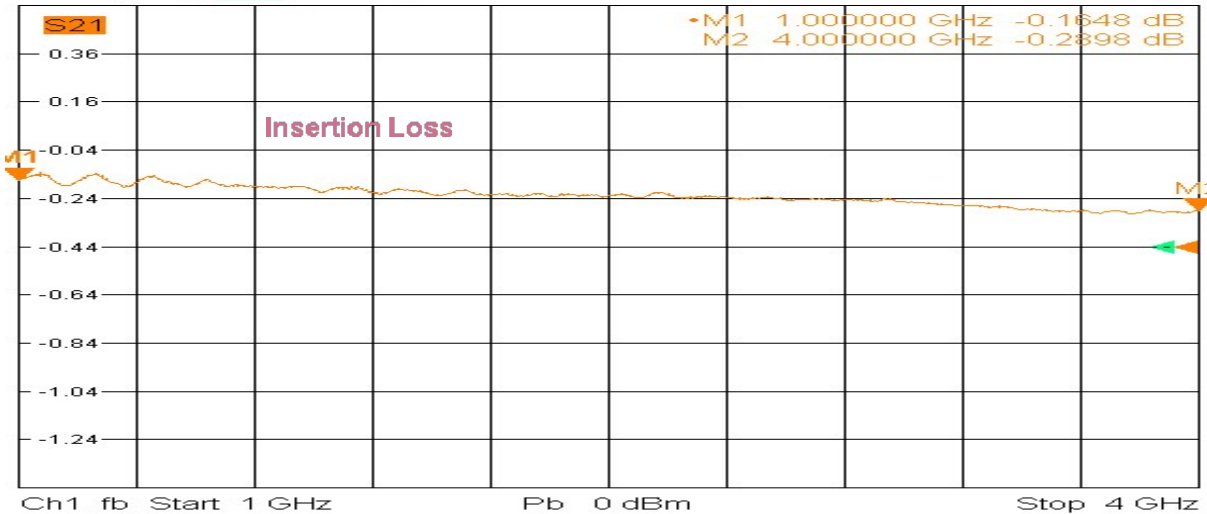


11/26/2019, 2:07 AM

2. Insertion Loss



Trc3 Mem7[Trc3] S21 dB Mag 0.2 dB / Ref-0.44 dB Cal Invisible 3 (Max)



11/26/2019, 2:07 AM

