

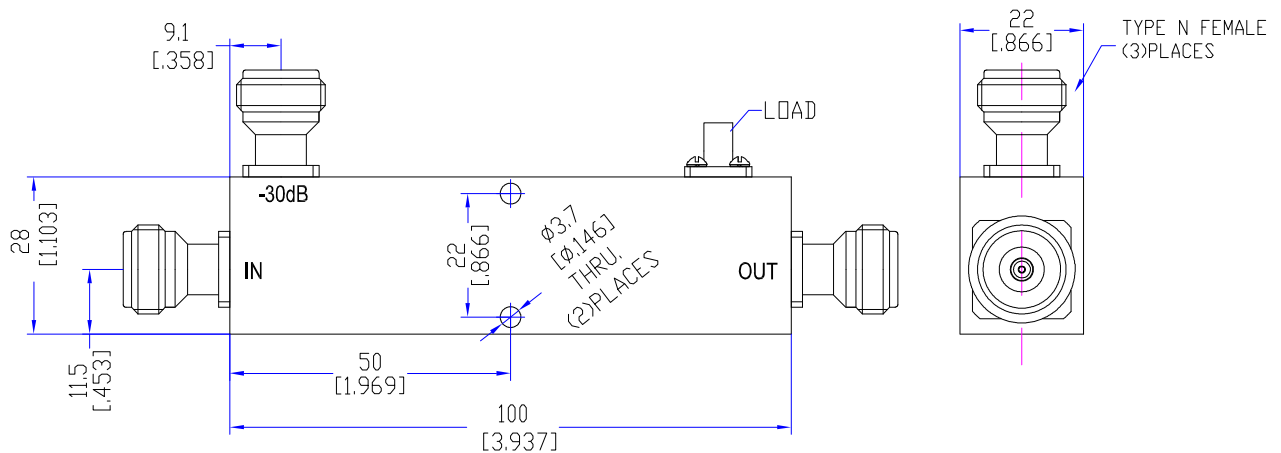
Model TDC0827N30

Features

Low VSWR
High Directivity
Broadband & Miniature Size

Technical Data Sheet			
Frequency Range	0.8~2.7GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤0.4dB (Excl. Coupling Loss 0.01dB)	Connector Body	Brass, Tri-Alloy Plate
Coupling Factor	≤30±1dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Coupling Sensitivity	≤±1dB	Connector Pin	Beryllium Copper, Gold Plate
Directivity	≥18dB	Solder	Lead Free, RoHS Compliant
VSWR	Primary ≤1.25:1 Secondary ≤1.25:1	Operating Temperature	-25~+65°C
¹ Power Handling	Incident ≤50Watt; Reflected ≤50Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	150g
Port Connectors	N-Female		

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

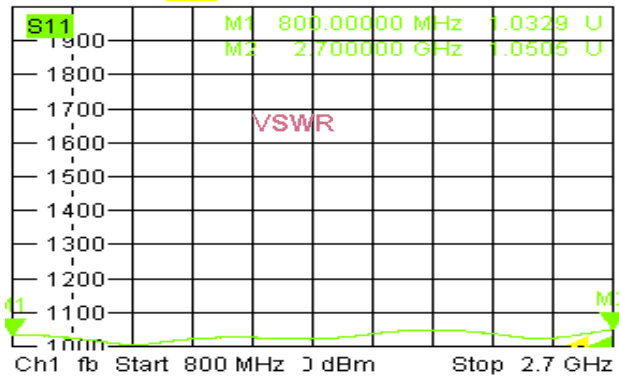


Typical Performance

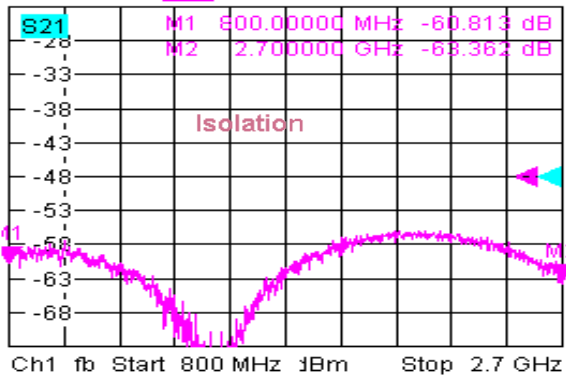
1. Coupling Factor & Sensitivity, Isolation, VSWR



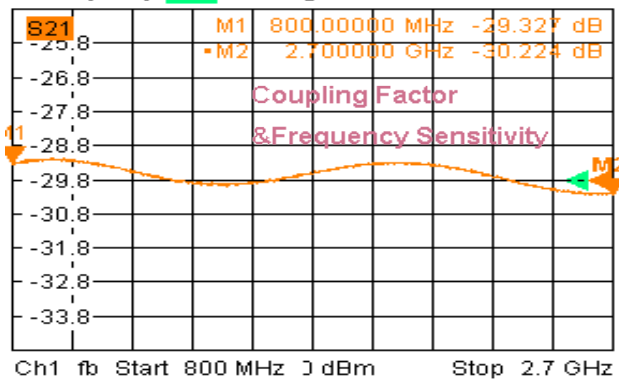
Trc1 Mem5[Trc1] S11 SWR 100 mU/ Ref 1 U Cal Invisib



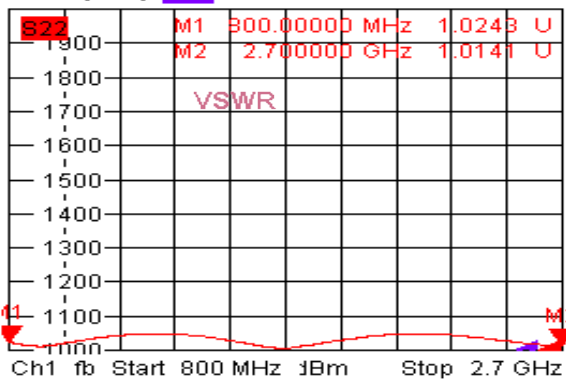
Trc2 Mem6[Trc2] S21 dB Mag 5 dB / Ref -48 dB S21 dB Mag 5 dB / Ref -48 dB



Trc3 Mem7[Trc3] S21 dB Mag 1 dB / Ref -29.8 dB S21 dB Mag 1 dB / Ref -29.8 dB C: In



Trc4 Mem8[Trc4] S22 SWR 100 mU/ Ref 1 U Ca S22 SWR 100 mU/ Ref 1 U In

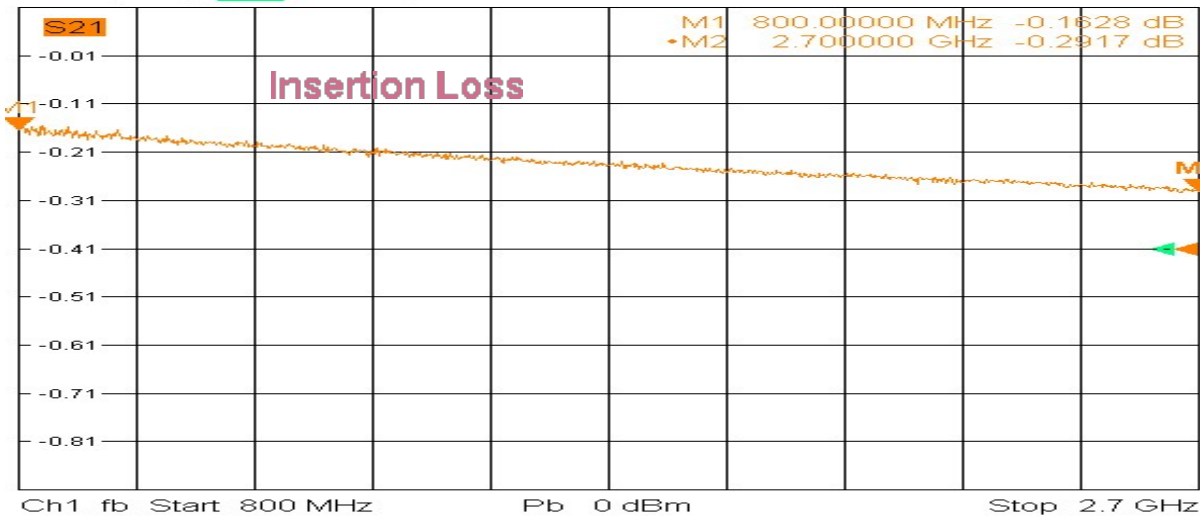


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2. Insertion Loss



Trc3 Mem7[Trc3] S21 dB Mag 0.1 dB / Ref -0.41 dB S21 dB Mag 0.1 dB / Ref -0.41 dB Cal Invisible 3 (Max)



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