

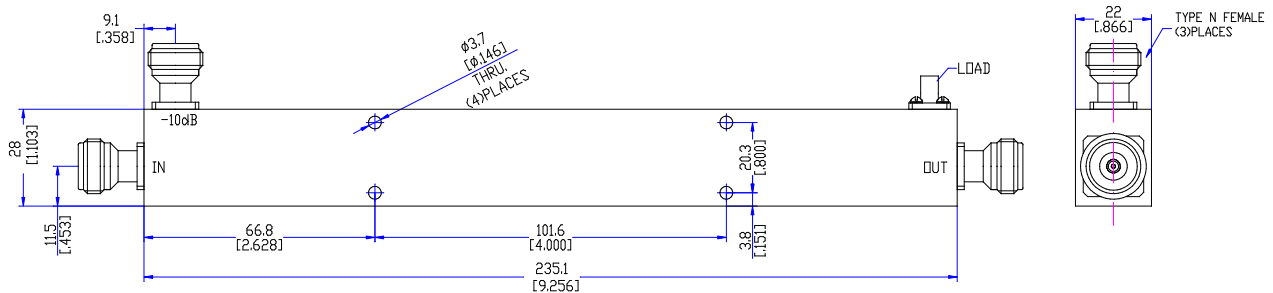
Model TDC0202N10

Features

- Low VSWR
- High Directivity
- Broadband & Miniature Size

Technical Data Sheet			
Frequency Range	210~250MHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤0.6dB (Excl. Coupling Loss 0.46dB)	Connector Body	Brass, Tri-Alloy Plate
Coupling Factor	≤10±1.0dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Coupling Sensitivity	≤±1.0dB	Connector Pin	Beryllium Copper, Gold Plate
Directivity	≥20dB	Solder	Lead Free, RoHS Compliant
VSWR	Primary ≤1.25:1 Secondary ≤1.25:1	Operating Temperature	-55~+85 °C
¹ Power Handling	Incident ≤50Watt; Reflected ≤2Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	440g
Port Connectors	N-Female		

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

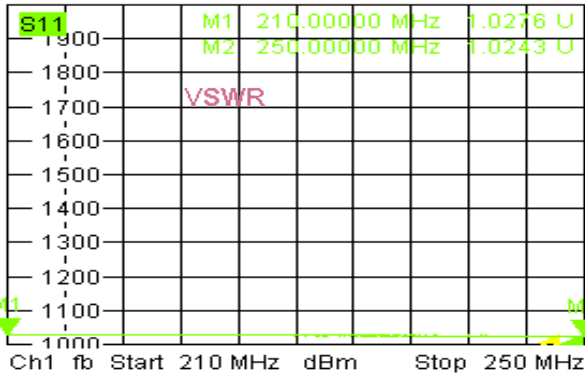


Typical Performance

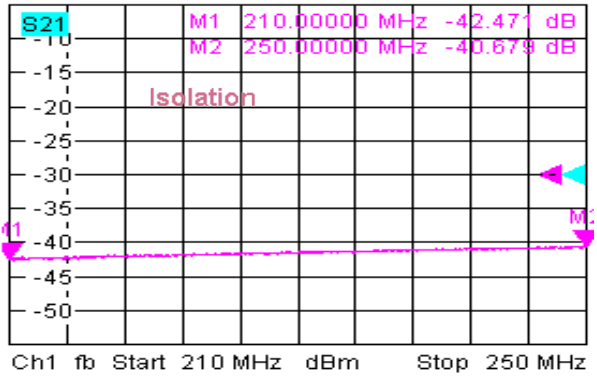
1. Coupling Factor & Sensitivity, Isolation, VSWR



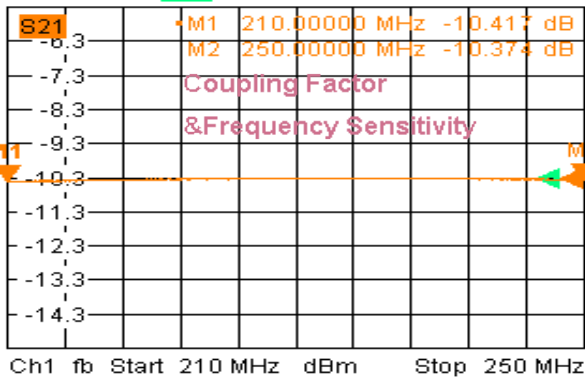
Trc1 **S11** SWR 100 mU/ Ref 1 U Cal
 Mem5[Trc1] **S21** SWR 100 mU/ Ref 1 U Invis



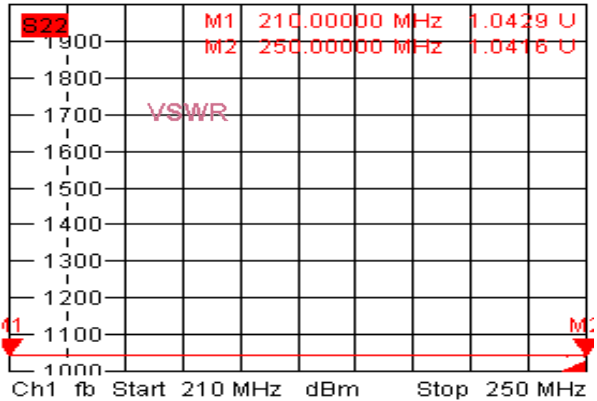
Trc2 **S21** dB Mag 5 dB / Ref -30 dB In
 Mem6[Trc2] **S21** dB Mag 5 dB / Ref -30 dB



Trc3 **S21** dB Mag 1 dB / Ref -10.3 dB
 Mem7[Trc3] **S21** dB Mag 1 dB / Ref -10.3 dB



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

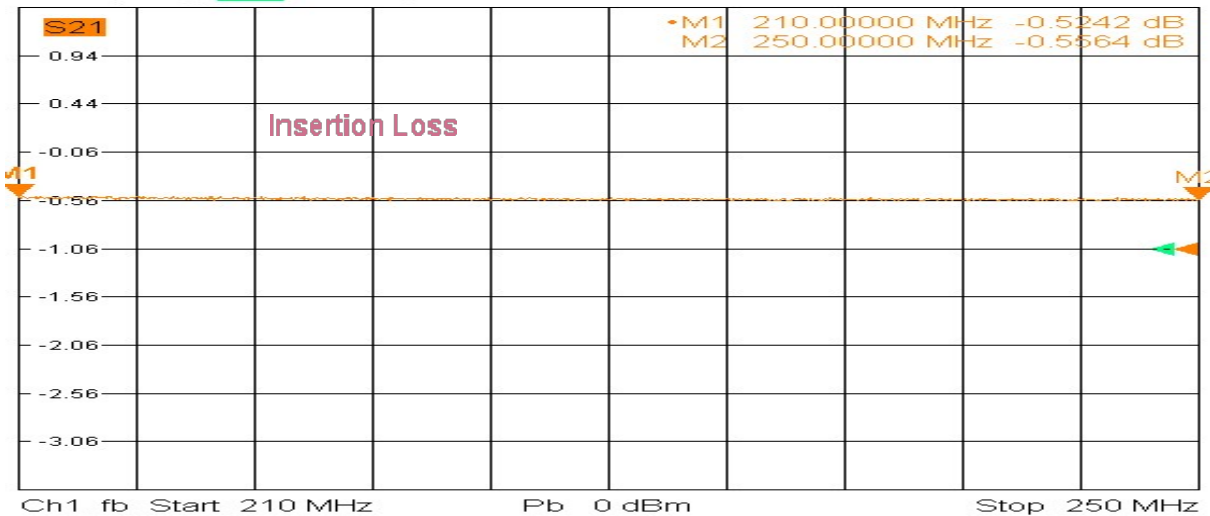


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2. Insertion Loss



Trc3 **S21** dB Mag 0.5 dB / Ref -1.06 dB Cal 3 (Max)
 Mem7[Trc3] **S21** dB Mag 0.5 dB / Ref -1.06 dB Invisible



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