

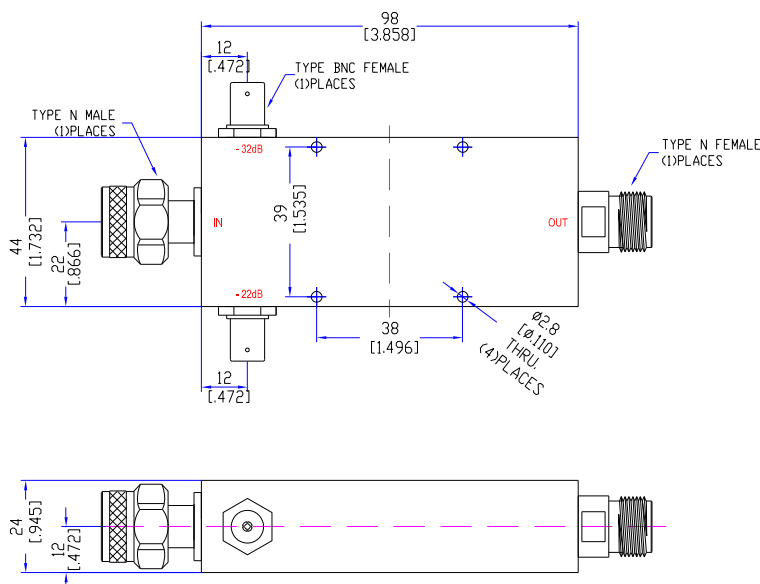
## Model TDC0912N32D

### Features

Low VSWR  
High Directivity  
Broadband & Miniature Size

Technical Data Sheet			
Frequency Range	960~1250MHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤0.4dB (Excl. Coupling Loss 0.01dB)	Connector Body	Passivated Stainless Steel
Coupling Factor	≤32±1.0dB, ≤22±1.0dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Coupling Sensitivity	≤±1.0dB	Connector Pin	Beryllium Copper, Gold Plate
Directivity	≥18dB	Solder	Lead Free, RoHS Compliant
VSWR	Primary ≤1.30:1 Secondary ≤1.30:1	Operating Temperature	-55~+85°C
<sup>1</sup> Power Handling	Incident ≤30Watt; Reflected ≤2Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	260g
Port Connectors	Input: N-Male Output: N-Female Coupled: BNC-Female		

<sup>1</sup>Power Handling guaranteed when load's VSWR within 1.50:1.

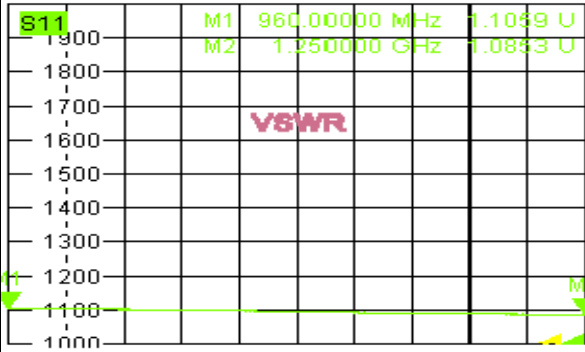


## Typical Performance

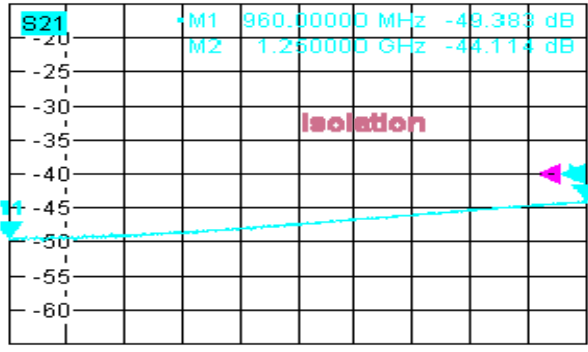
### 1. Coupling Factor & Sensitivity, Isolation, VSWR



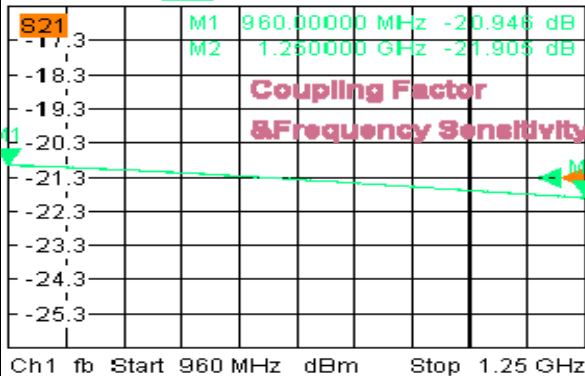
Trc1 **S11** SWR 100 mU/ Ref 1 U Cal  
 Mem5[Trc1] **S11** SWR 100 mU/ Ref 1 U Invis



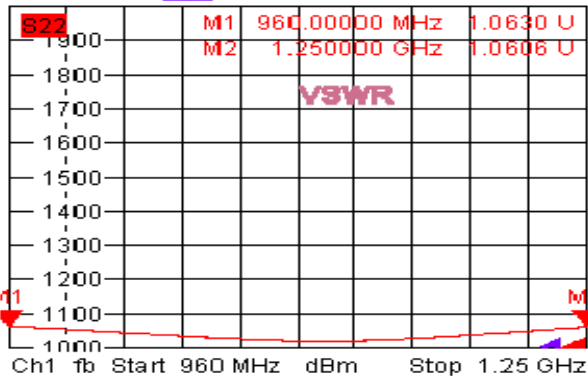
Trc2 **S21** dB Mag 5 dB / Ref -40 dB C  
 Mem6[Trc2] **S21** dB Mag 5 dB / Ref -40 dB In



Trc3 **S21** dB Mag 1 dB / Ref -21.3 dB  
 Mem7[Trc3] **S21** dB Mag 1 dB / Ref -21.3 dB



Trc4 **S22** SWR 100 mU/ Ref 1 U Cal  
 Mem8[Trc4] **S22** SWR 100 mU/ Ref 1 U Invis

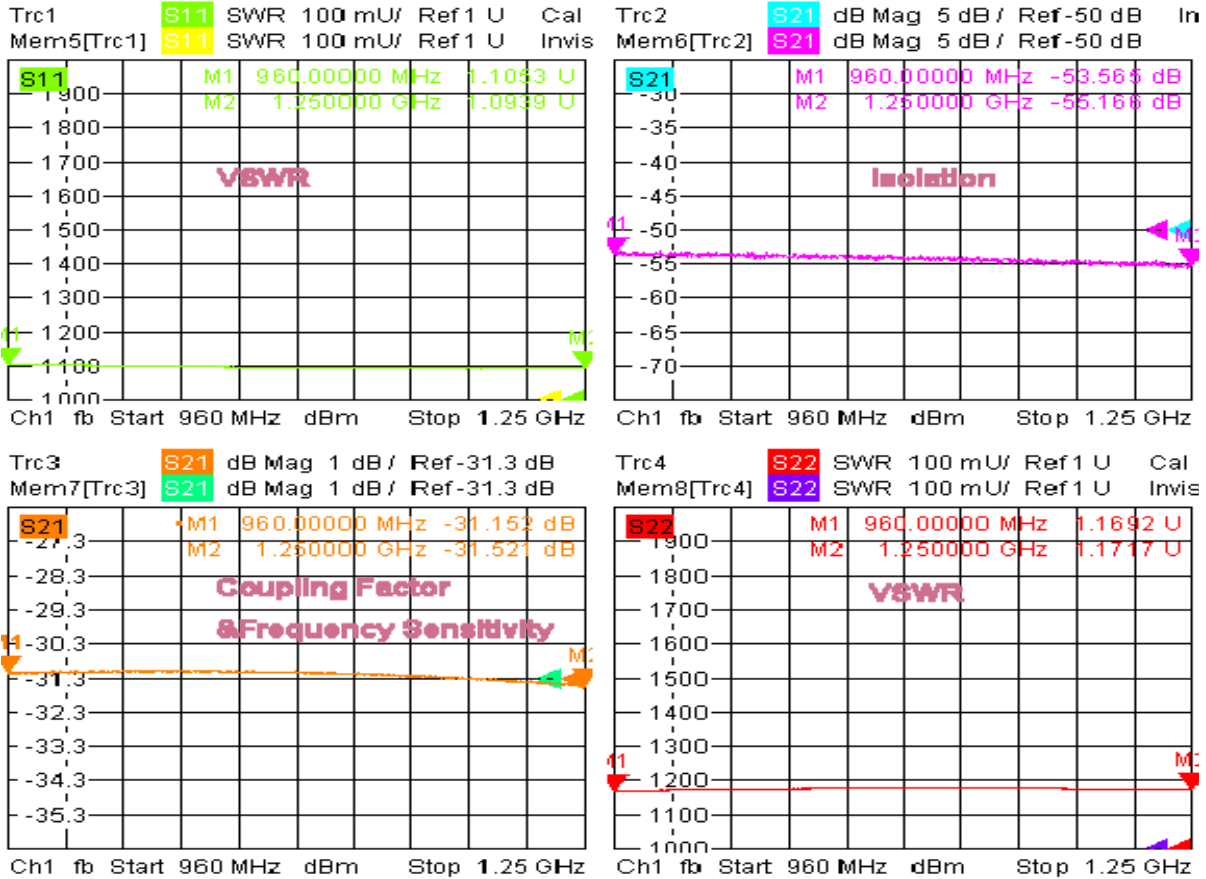


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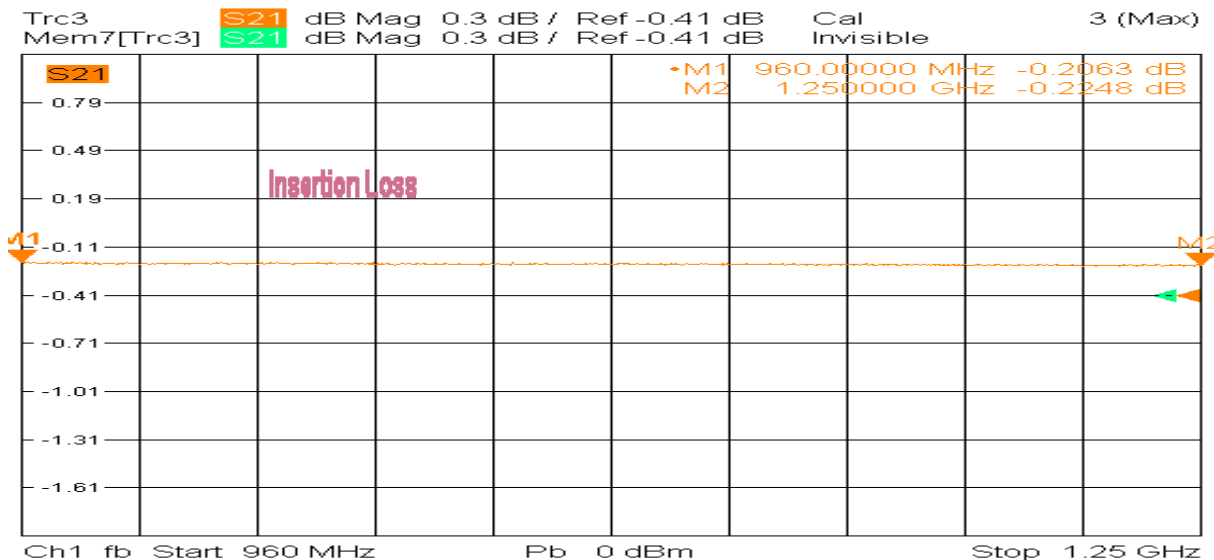
## Typical Performance

### 2. Coupling Factor & Sensitivity, Isolation, VSWR



6/23/2019, 1:38 AM

### 3. Insertion Loss



6/23/2019, 1:39 AM

