

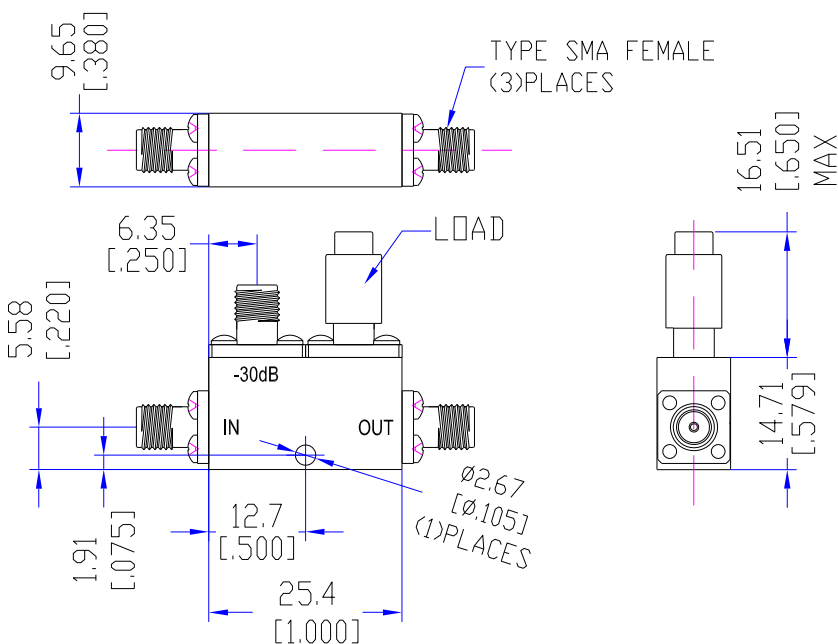
Model TDC70124A30A

Features

Low VSWR
High Directivity
Broadband & Miniature Size

Technical Data Sheet			
Frequency Range	7~12.4GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤0.3dB (Excl. Coupling Loss 0.01dB)	Connector Body	Passivated Stainless Steel
Coupling Factor	≤30±1.0dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Coupling Sensitivity	≤±0.5dB	Connector Pin	Beryllium Copper, Gold Plate
Directivity	≥15dB	Solder	Lead Free, RoHS Compliant
VSWR	Primary ≤1.30:1 Secondary ≤1.30:1	Operating Temperature	-55~+85°C
¹ Power Handling	Incident ≤50Watt; Reflected ≤2Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	30g
Port Connectors	SMA-Female		

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

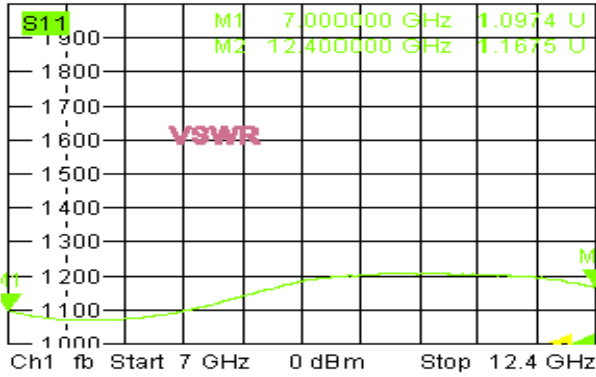


Typical Performance

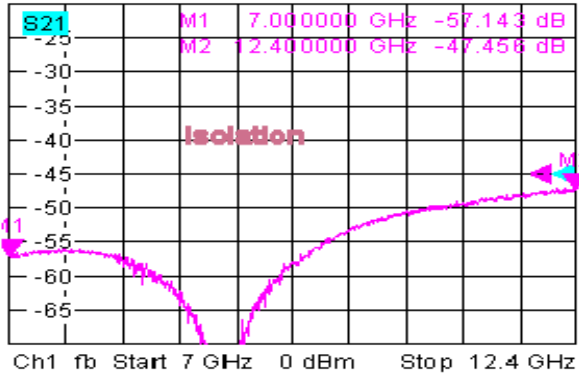
1. Coupling Factor & Sensitivity, Isolation, VSWR



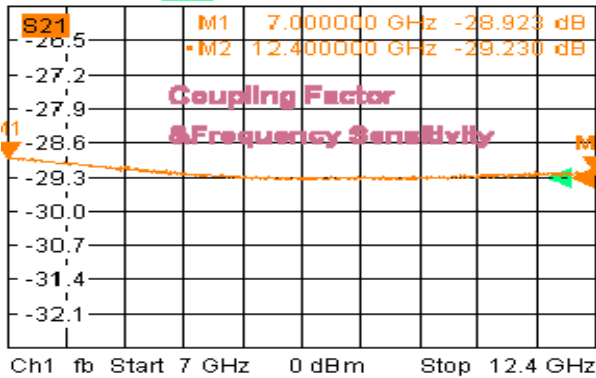
Trc1 **S11** SWR 100 mU/ Ref1 U Cal
Mem5[Trc1] **S11** SWR 100 mU/ Ref1 U Invisi



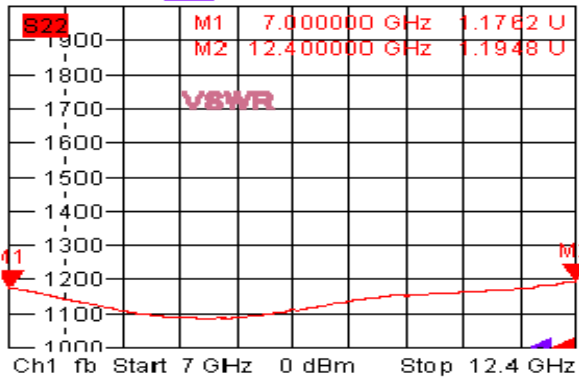
Trc2 **S21** dB Mag 5 dB / Ref-45 dB II
Mem6[Trc2] **S21** dB Mag 5 dB / Ref-45 dB



Trc3 **S21** dB Mag 0.7 dB / Ref-29.3 dB
Mem7[Trc3] **S21** dB Mag 0.7 dB / Ref-29.3 dB



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

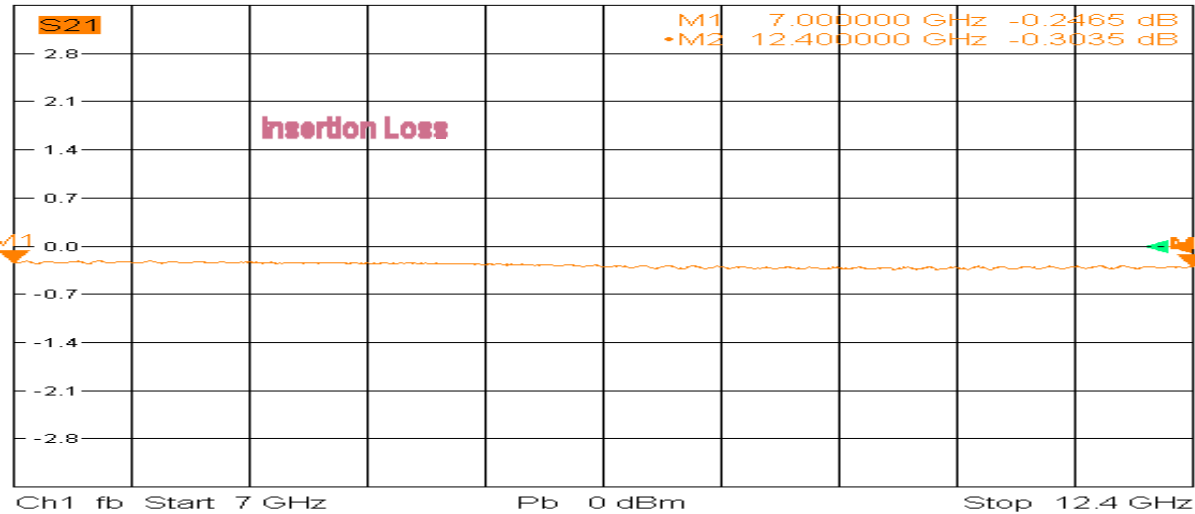


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2. Insertion Loss



Trc3 **S21** dB Mag 0.7 dB / Ref 0 dB Cal
Mem7[Trc3] **S21** dB Mag 0.7 dB / Ref 0 dB Invisible 3 (Max)



4/17/2019, 4:46 AM

