

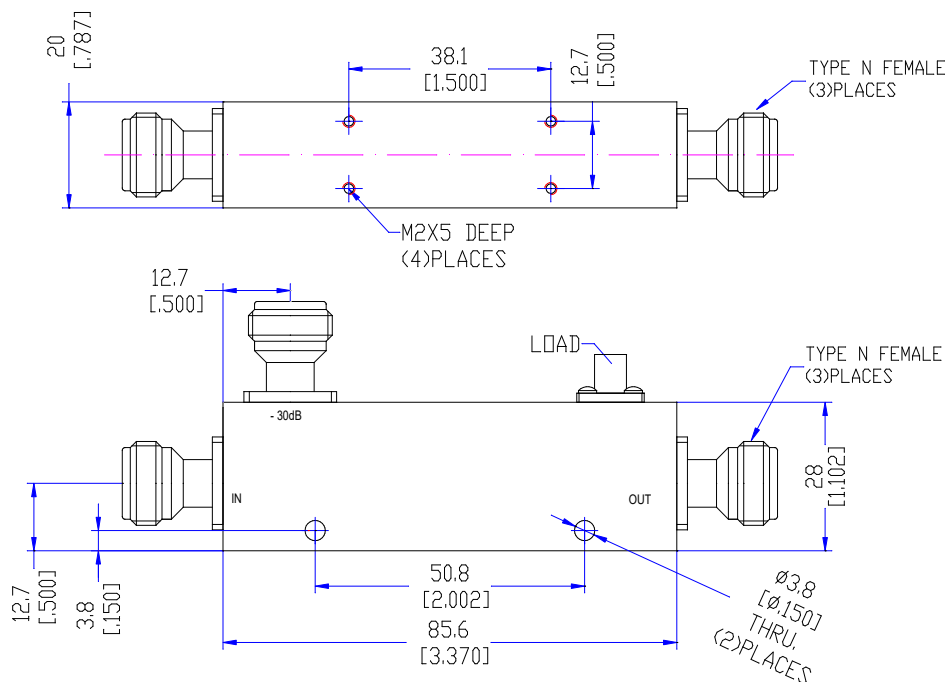
Model TDC1517N30H

Features

Low VSWR
High Directivity
Broadband & Miniature Size

Technical Data Sheet			
Frequency Range	1.5~1.7GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤0.3dB (Excl. Coupling Loss 0.01dB)	Connector Body	Brass, Nickel Plate
Coupling Factor	≤30±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 ≤100Watt; Reflected ≤100Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	190g
Port Connectors	N-Female		

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

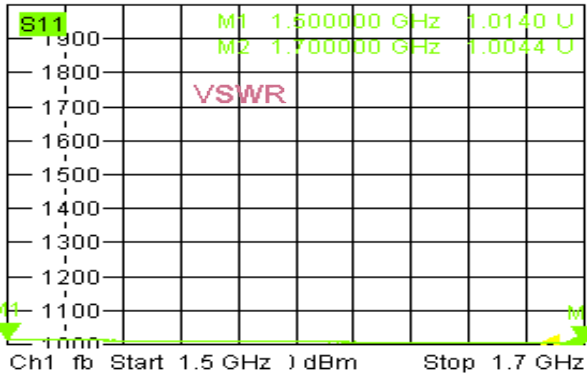


Typical Performance

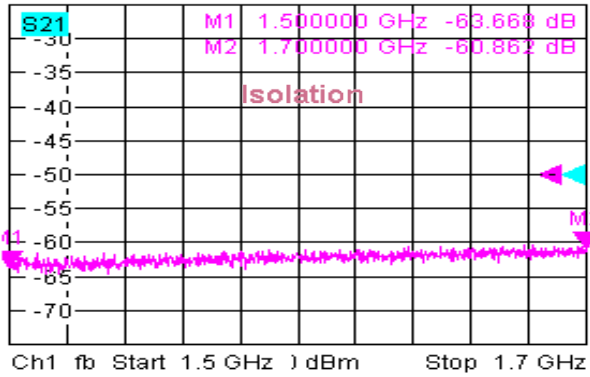
1. Coupling Frequency Sensitivity, VSWR & Isolation



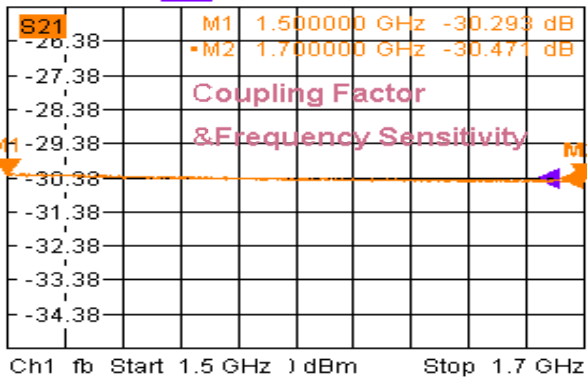
Trc1 Mem5[Trc1] **S11** SWR 100 mU/ Ref1 U Cal Invis



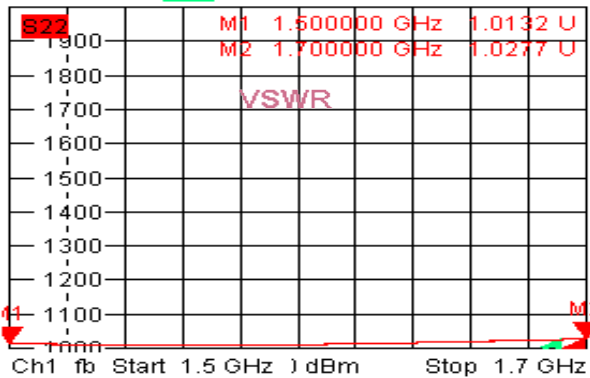
Trc2 Mem6[Trc2] **S21** dB Mag 5 dB / Ref-50 dB In



Trc3 Mem8[Trc3] **S21** dB Mag 1 dB / Ref-30.38 dB



Trc4 Mem7[Trc4] **S22** SWR 100 mU/ Ref1 U Cal Invis

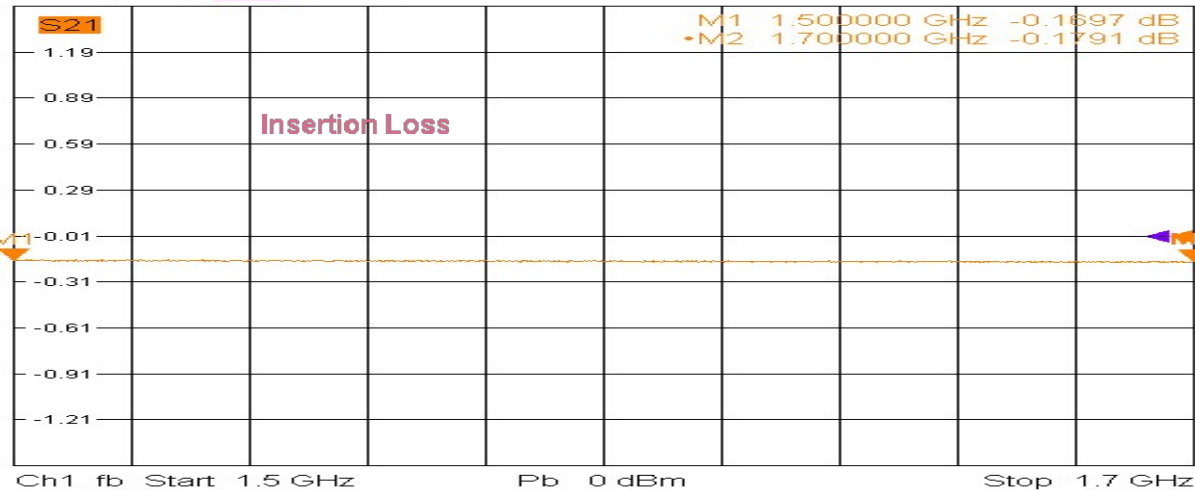


7/6/2020, 10:01 AM

2. Insertion Loss



Trc3 Mem8[Trc3] **S21** dB Mag 0.3 dB / Ref-0.01 dB Cal Invisible 3 (Max)



7/6/2020, 9:58 AM

