

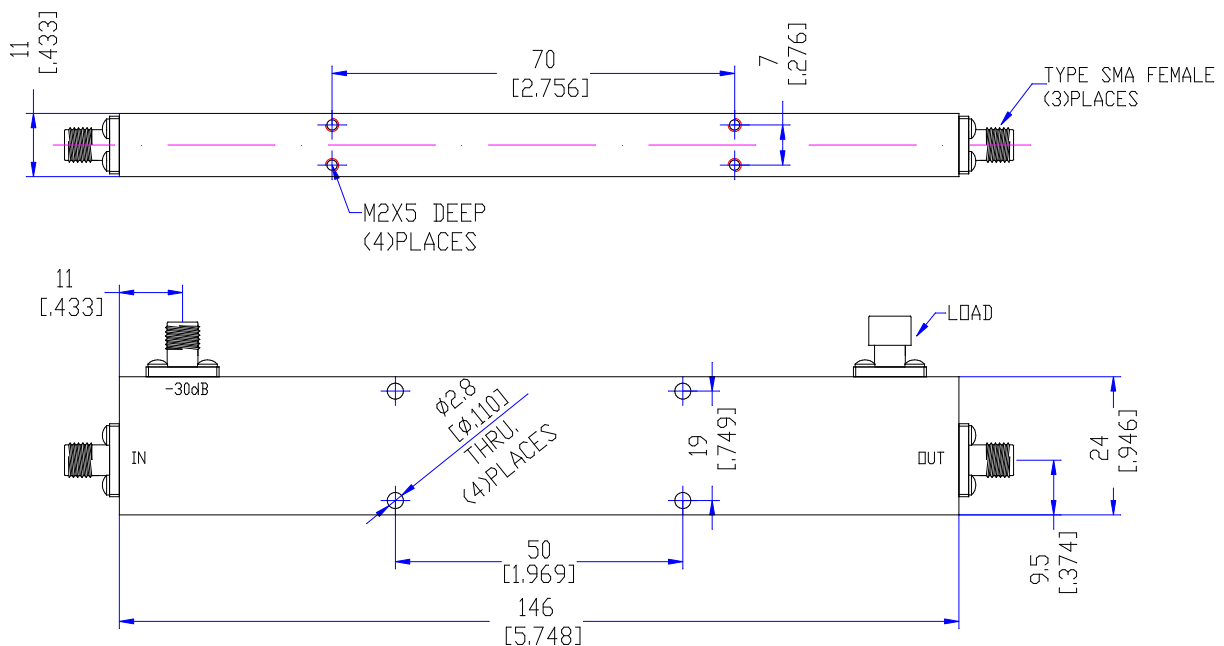
Model TDC0410A30H

Features

- Low VSWR
- High Directivity
- Broadband & Miniature Size

Technical Data Sheet			
Frequency Range	0.4~1GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤0.4dB (Excl. Coupling Loss 0.01dB)	Connector Body	Brass, Tri-Alloy 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	≥15dB	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 ≤10Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	110g
Port Connectors	SMA-Female		

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

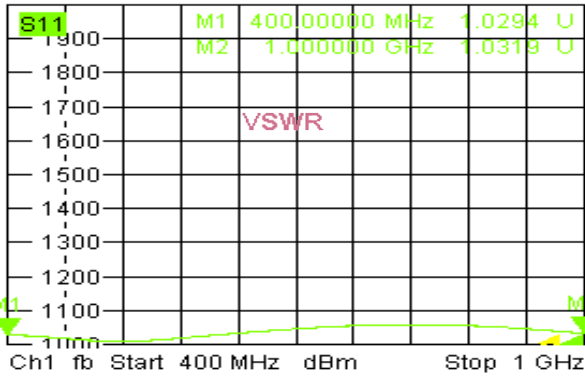


Typical Performance

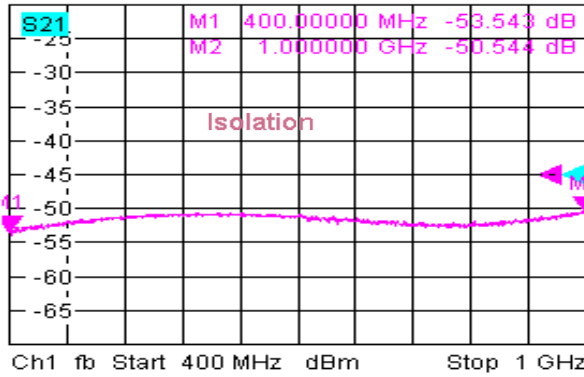
1. Coupling Factor & Sensitivity, Isolation, VSWR



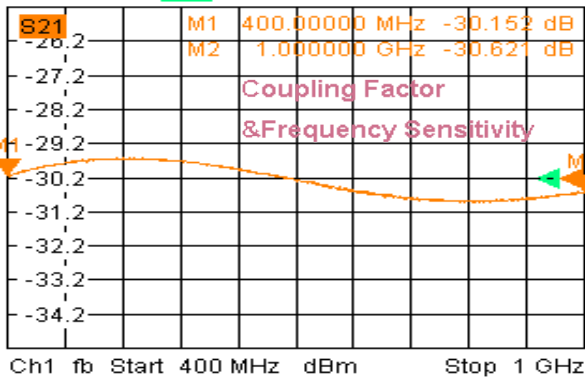
Trc1 **S11** SWR 100 mU/ Ref 1 U Cal
Mem5[Trc1] **S11** SWR 100 mU/ Ref 1 U Invis



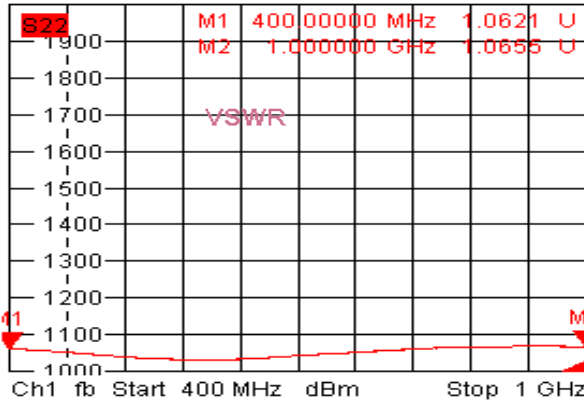
Trc2 **S21** dB Mag 5 dB / Ref -45 dB In
Mem6[Trc2] **S21** dB Mag 5 dB / Ref -45 dB



Trc3 **S21** dB Mag 1 dB / Ref -30.2 dB
Mem7[Trc3] **S21** dB Mag 1 dB / Ref -30.2 dB



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

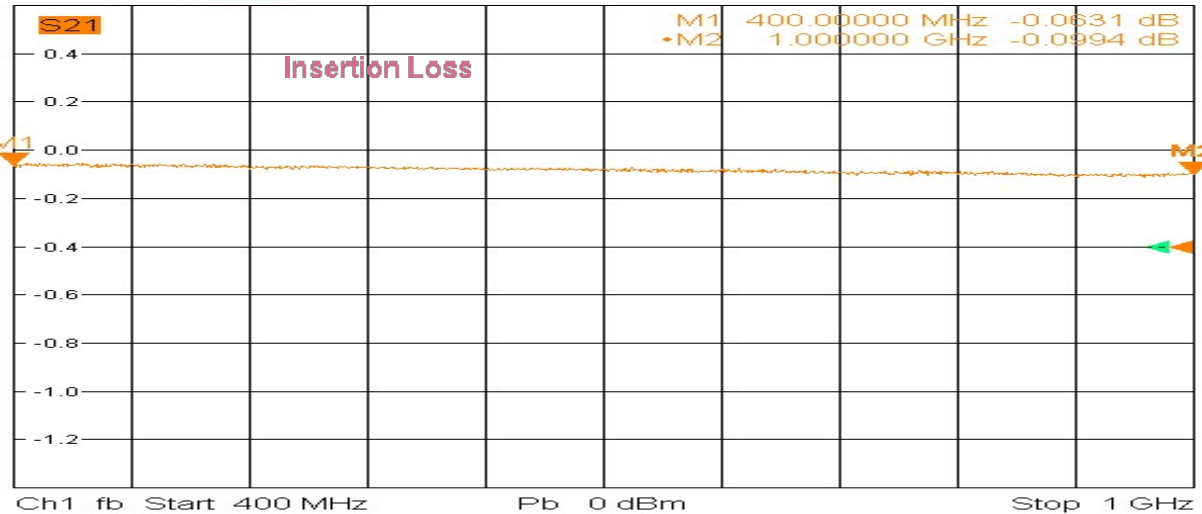


4/17/2020, 5:02 AM

2. Insertion Loss



Trc3 **S21** dB Mag 0.2 dB / Ref -0.4 dB Cal 3 (Max)
Mem7[Trc3] **S21** dB Mag 0.2 dB / Ref -0.4 dB Invisible



4/17/2020, 5:08 AM

