

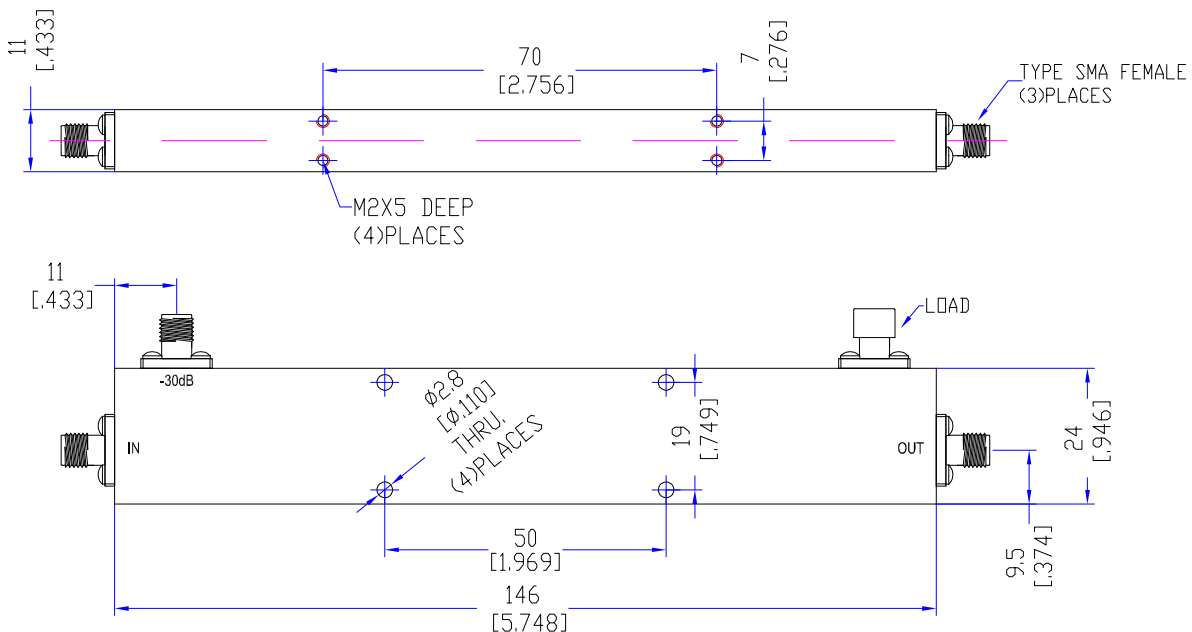
## Model TDC0420A30H

### Features

Low VSWR  
High Directivity  
Broadband & Miniature Size

Technical Data Sheet			
Frequency Range	0.4~2GHz	Finish	Natural oxygen
Insertion Loss	≤0.3dB (Excl. Coupling Loss 0.01dB)	Connector Body	Brass, Tri-Alloy Plate
Coupling Factor	≤30±1dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Coupling Sensitivity	≤±1dB	Connector Pin	Beryllium Copper, Gold Plate
Directivity	≥15dB	Solder	Lead Free, RoHS Compliant
VSWR	Primary ≤1.20:1 Secondary ≤1.20:1	Operating Temperature	-40~+85°C
<sup>1</sup> Power Handling	Incident ≤100Watt; Reflected ≤10Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	60g
Port Connectors	SMA-Female		

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

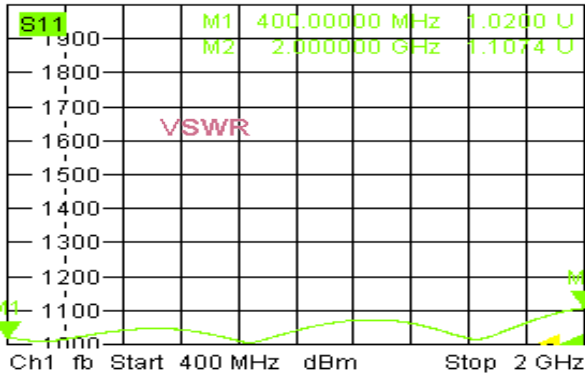


## Typical Performance

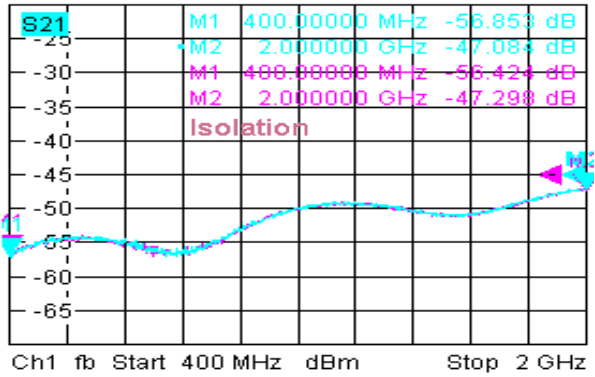
### 1. Coupling Factor & Sensitivity, Isolation, VSWR



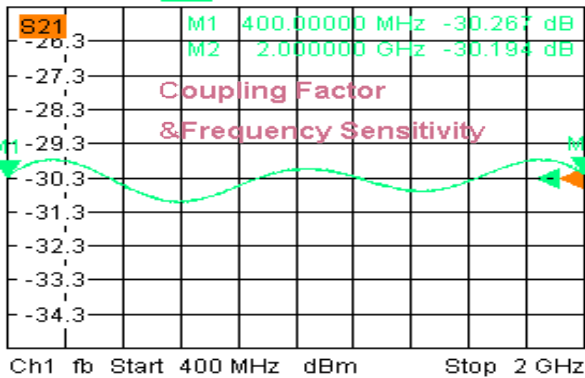
Trc1 Mem5[Trc1] S11 SWR 100 mU/ Ref1 U Cal Invis



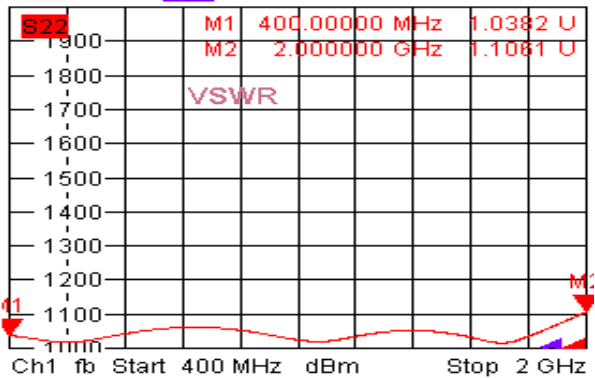
Trc2 Mem6[Trc2] S21 dB Mag 5 dB / Ref-45 dB C



Trc3 Mem7[Trc3] S21 dB Mag 1 dB / Ref-30.3 dB



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

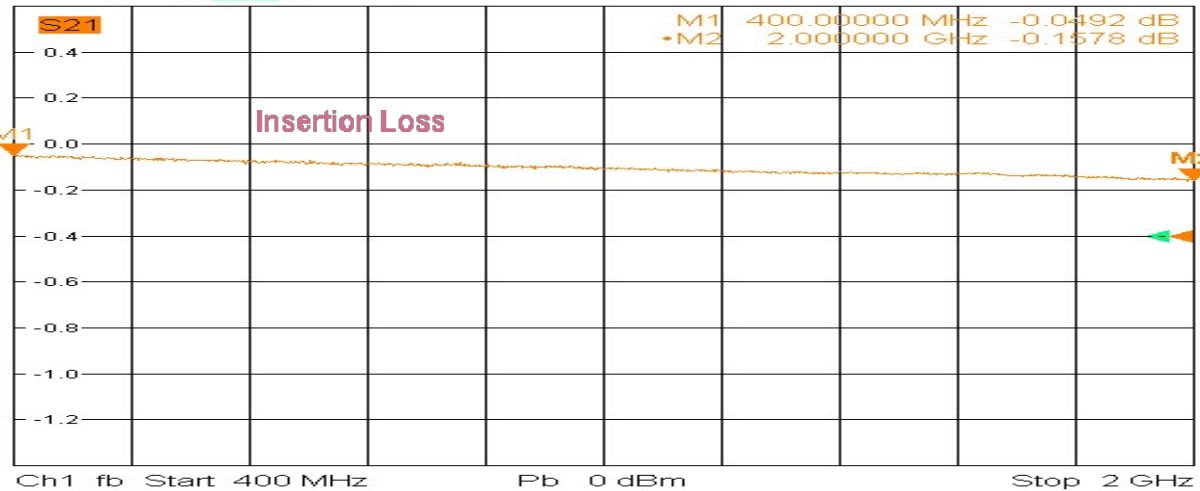


4/4/2020, 12:05 AM

### 2. Insertion Loss



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



4/4/2020, 12:06 AM

