

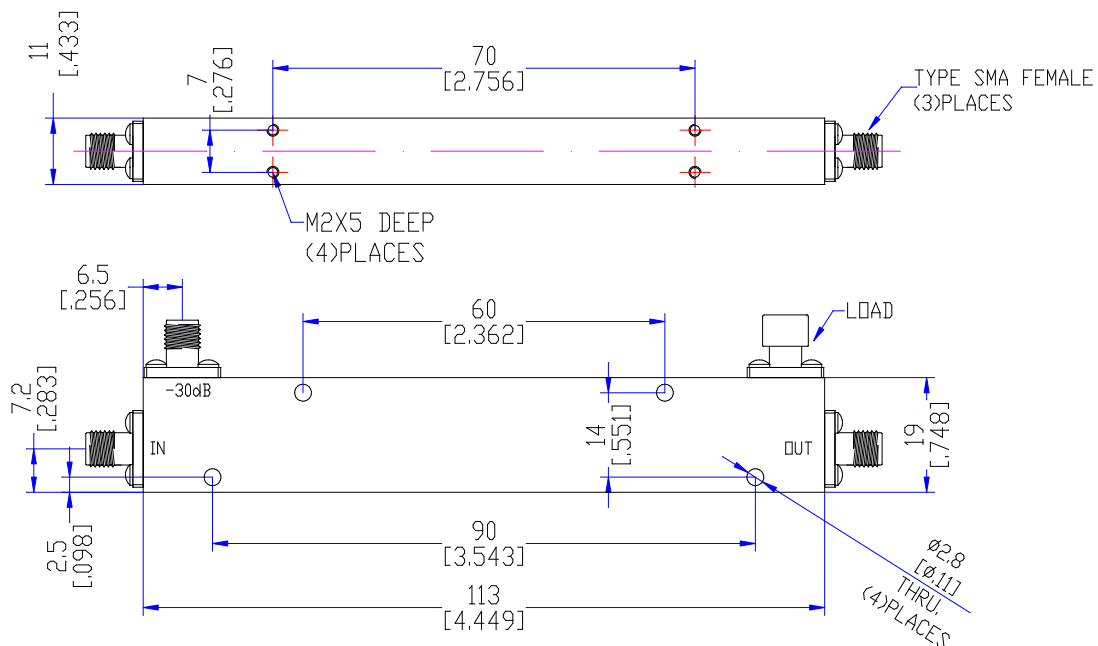
## Model TDC0760A30

### Features

Low VSWR  
High Directivity  
Broadband & Miniature Size

Technical Data Sheet			
Frequency Range	0.7~6GHz	Finish	Natural oxygen
Insertion Loss	≤0.6dB (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	≥18dB	Solder	Lead Free, RoHS Compliant
VSWR	Primary ≤1.30:1 Secondary ≤1.30:1	Operating Temperature	-20~+65°C
<sup>1</sup> Power Handling	Incident ≤50Watt; Reflected ≤50Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	70g
Port Connectors	SMA-Female		

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

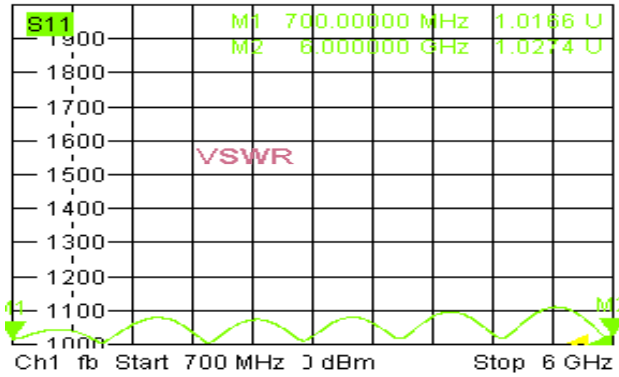


## Typical Performance

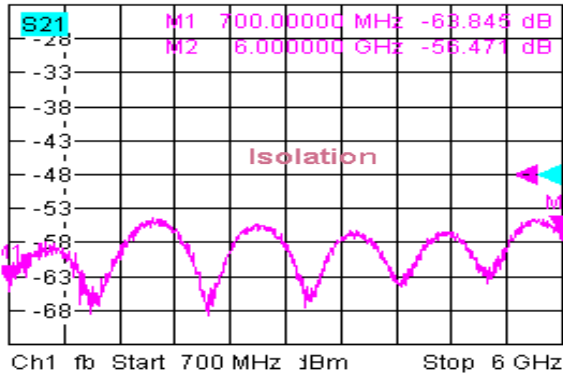
### 1. Coupling Factor & Sensitivity, Isolation, VSWR



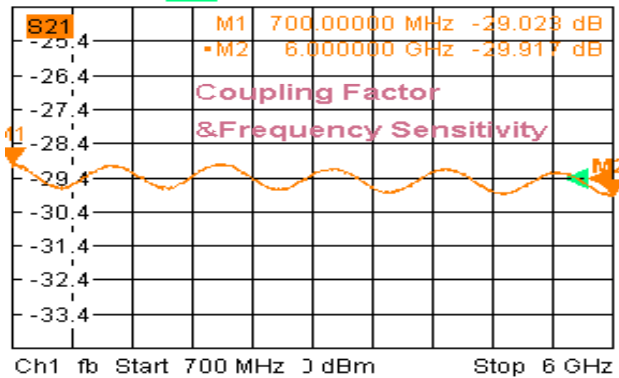
Trc1 Mem5[Trc1] **S11** SWR 100 mU/ Ref 1 U Cal  
Invisib



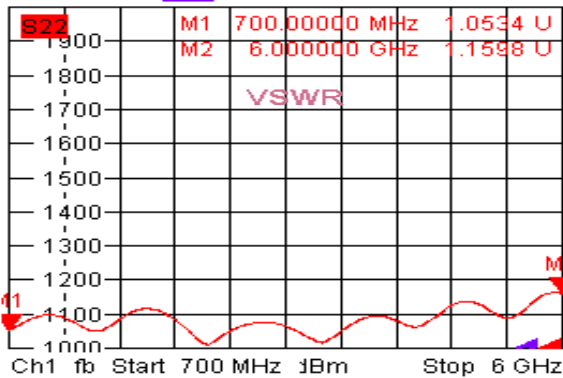
Trc2 Mem6[Trc2] **S21** dB Mag 5 dB / Ref -48 dB  
**S21** dB Mag 5 dB / Ref -48 dB



Trc3 Mem7[Trc3] **S21** dB Mag 1 dB / Ref -29.4 dB C:  
**S21** dB Mag 1 dB / Ref -29.4 dB In



Trc4 Mem8[Trc4] **S22** SWR 100 mU/ Ref 1 U Ca  
**S22** SWR 100 mU/ Ref 1 U In

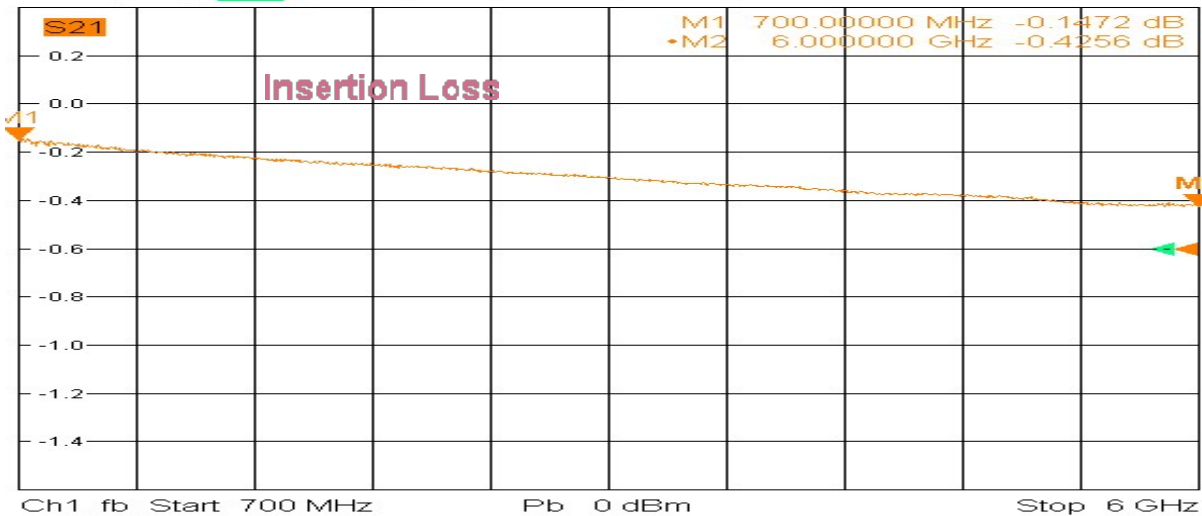


9/21/2020, 11:50 AM

### 2. Insertion Loss



Trc3 Mem7[Trc3] **S21** dB Mag 0.2 dB / Ref -0.6 dB Cal  
**S21** dB Mag 0.2 dB / Ref -0.6 dB Invisible 3 (Max)



9/21/2020, 11:51 AM

