

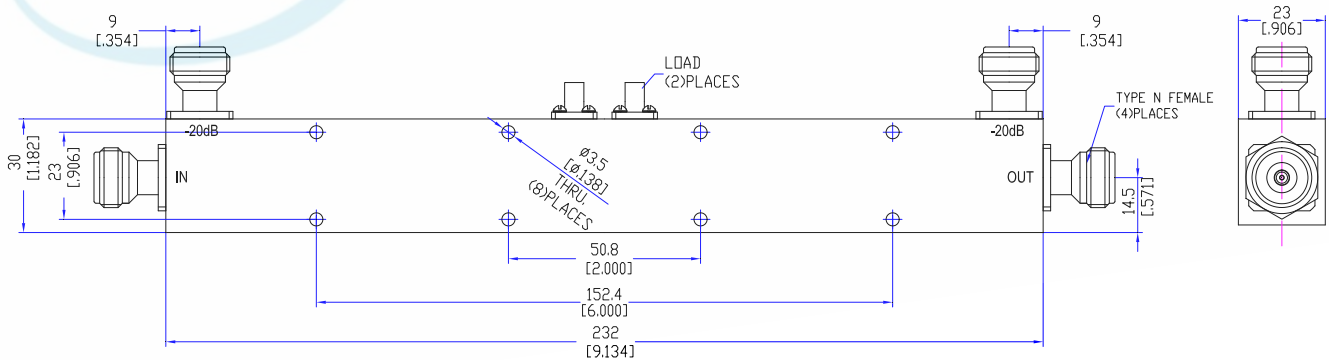
## Model TDC0760N20D

### Features

Low VSWR  
High Directivity  
Broadband & Miniature Size

Technical Data Sheet			
Frequency Range	0.7~6.0GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤1.0dB (Excl. Coupling Loss 0.04dB)	Connector Body	Brass, Tri-Alloy Plate
Coupling Factor	≤20±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 ≤1.30:1 Secondary ≤1.30:1	Operating Temperature	-40~+85°C
<sup>1</sup> Power Handling	Incident ≤50Watt; Reflected ≤50Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	510g
Port Connectors	N-Female		

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

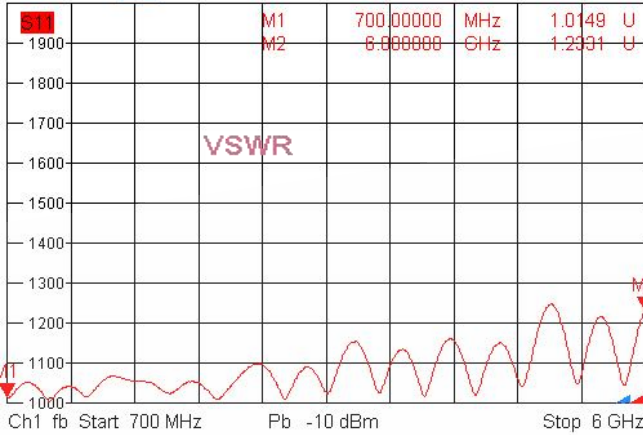


## Typical Performance

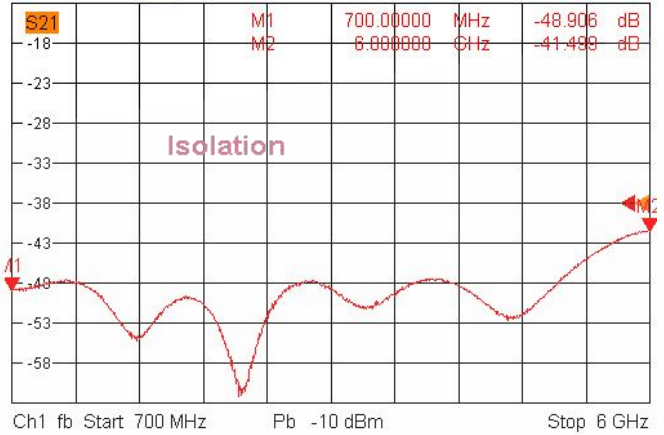
### 1. Coupling Factor & Sensitivity, Isolation, VSWR



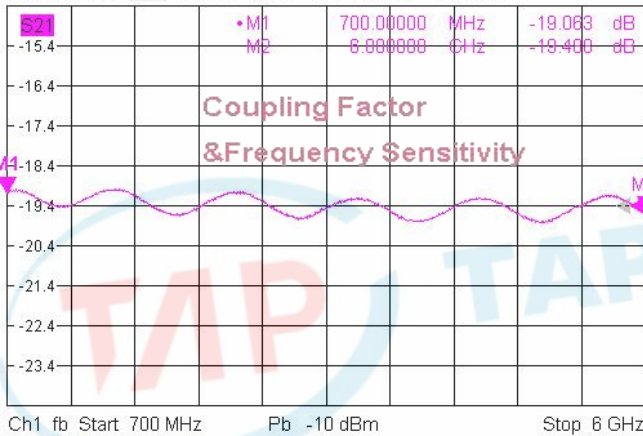
Trc4 **S11** SWR 100 mU/ Ref 1 U Cal  
Mem9[Trc4] **S11** SWR 100 mU/ Ref 1 U Invisible



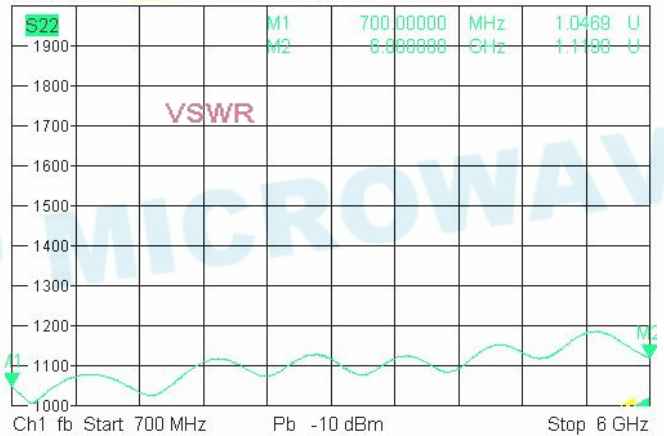
Trc13 **S21** dB Mag 5 dB / Ref -38 dB Invisible  
Mem14[Trc13] **S21** dB Mag 5 dB / Ref -38 dB



Trc6 **S21** dB Mag 1 dB / Ref -19.4 dB Cal  
Mem10[Trc6] **S21** dB Mag 1 dB / Ref -19.4 dB Invisible



Trc7 **S22** SWR 100 mU/ Ref 1 U Cal  
Mem15[Trc7] **S22** SWR 100 mU/ Ref 1 U Invisible

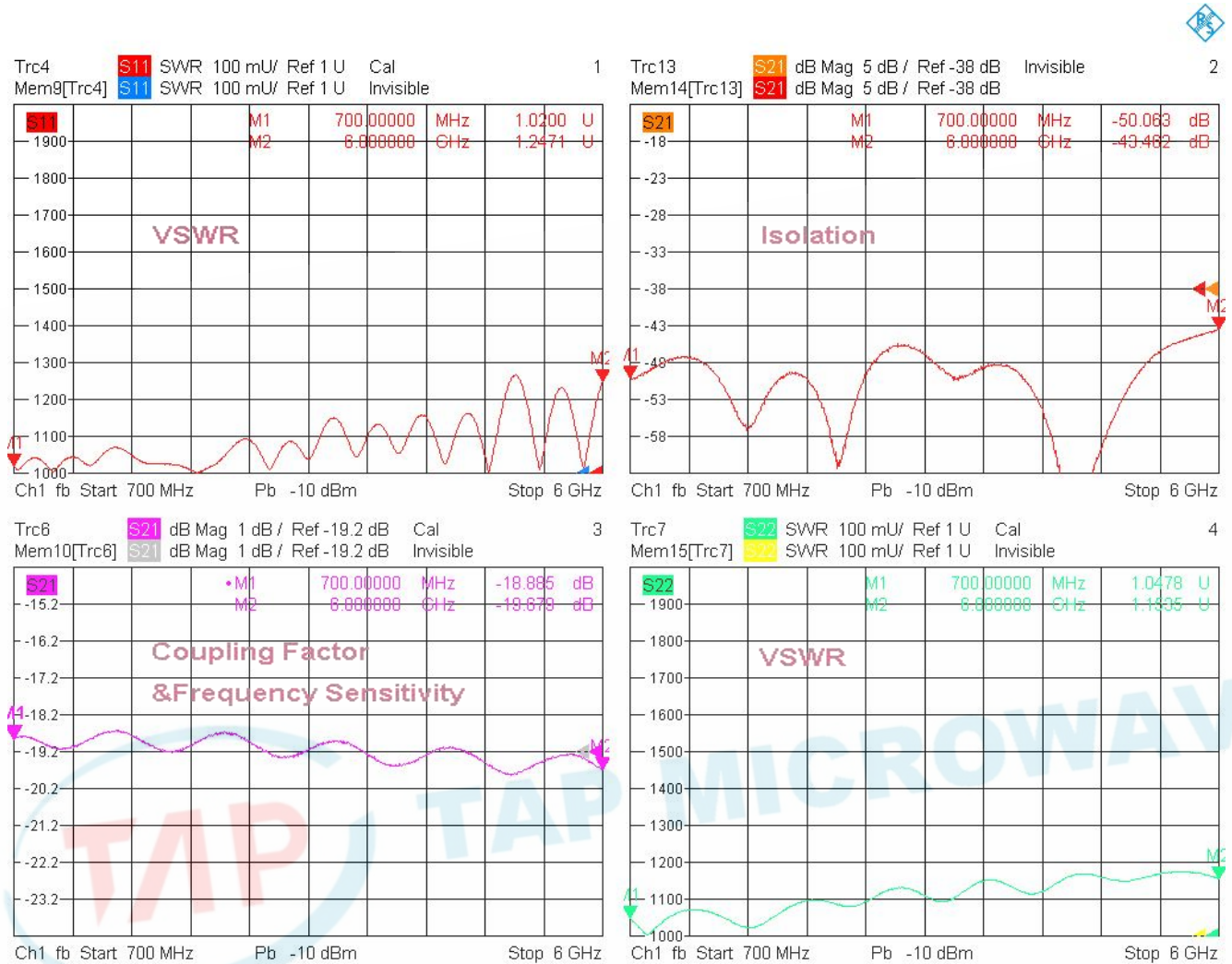


7/29/2024, 10:38 AM



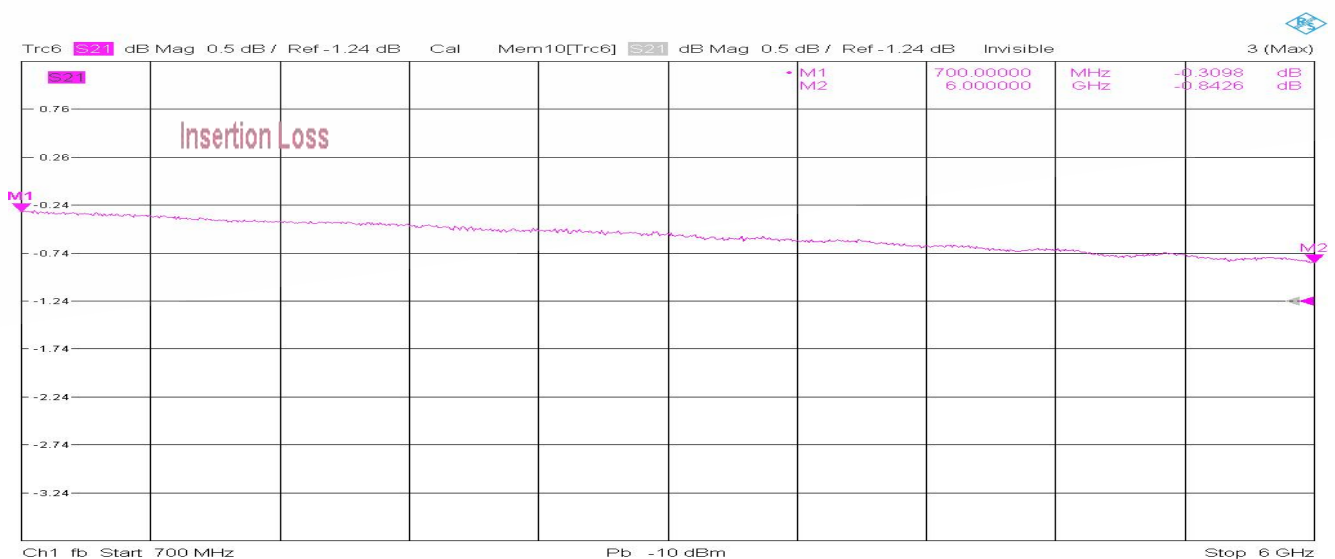
## Typical Performance

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



7/29/2024, 10:39 AM

### 3. Insertion Loss



7/29/2024, 10:40 AM

