

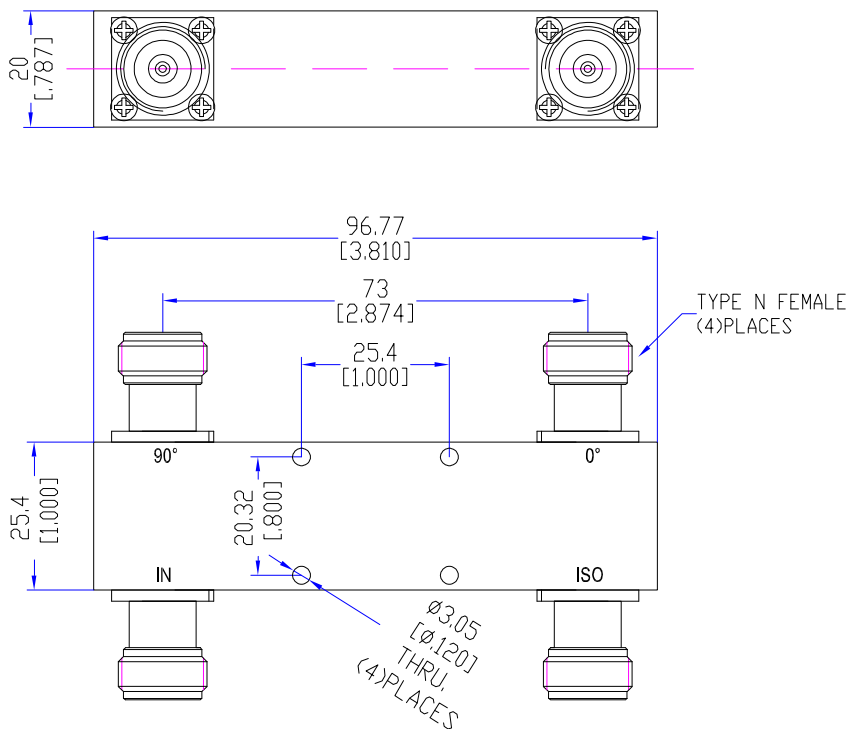
## Model THC0727N

### Features

- Excellent phase& amplitude balance
- Low Insertion Loss& VSWR
- High Isolation

Technical Data Sheet			
Frequency Range	0.698~2.7GHz	Finish	Painted Blue_ RAL #5007
Nominal Split	3.01dB	Connector Body	Brass, Tri-Alloy Plate
Insertion Loss	≤0.4dB	Housing	Aluminum, 6061 T6
Isolation	≥20dB		Clear Chem Conversion Film
Amplitude Balance	≤±0.5dB	Connector Pin	Beryllium Copper, Gold Plate
Phase Balance	≤±5°	Solder	Lead Free, RoHS Compliant
VSWR	≤1.25:1	Operating Temperature	-55~+85°C
<sup>1</sup> Power Handling	Average ≤50Watt Peak ≤3KW	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	200g
Port Connectors	N-Female		

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

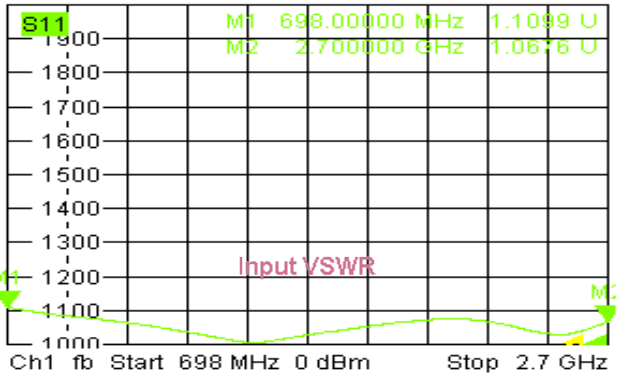


## Typical Performance

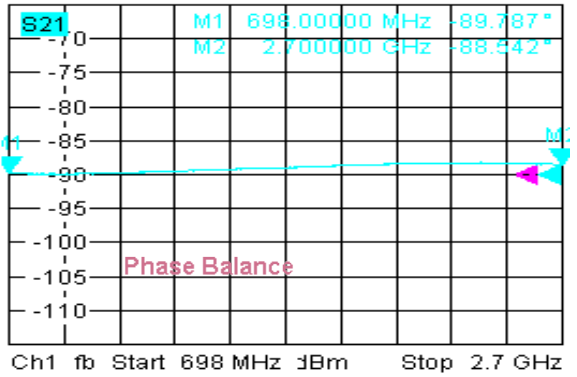
### 1. Insertion Loss, Amplitude/ Phase Balance, VSWR



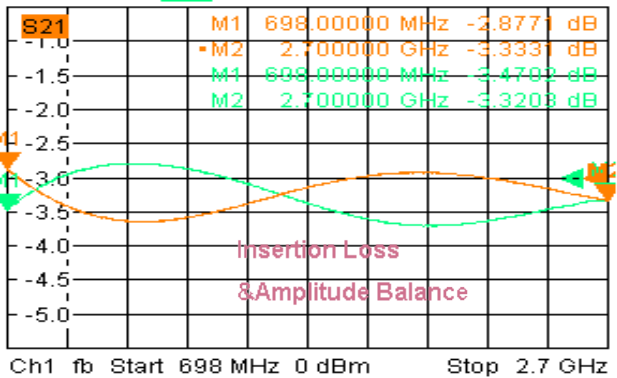
Trc1 **S11** SWR 100 mU/ Ref 1 U Cal  
Mem5[Trc1] **S11** SWR 100 mU/ Ref 1 U Invisib



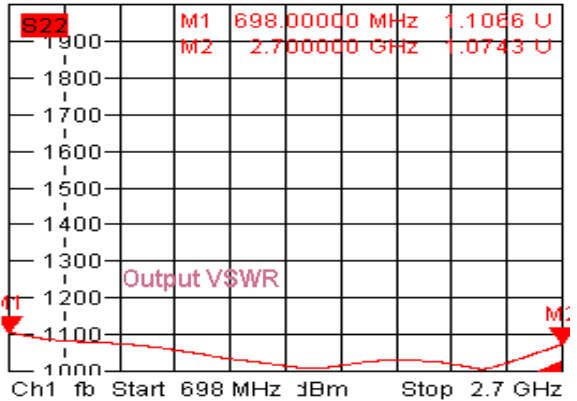
Trc2 **S21** Phase 5° / Ref -90° Cal M  
Mem6[Trc2] **S21** Phase 5° / Ref -90° Invisib



Trc3 **S21** dB Mag 0.5 dB / Ref -3 dB Cal  
Mem7[Trc3] **S21** dB Mag 0.5 dB / Ref -3 dB



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

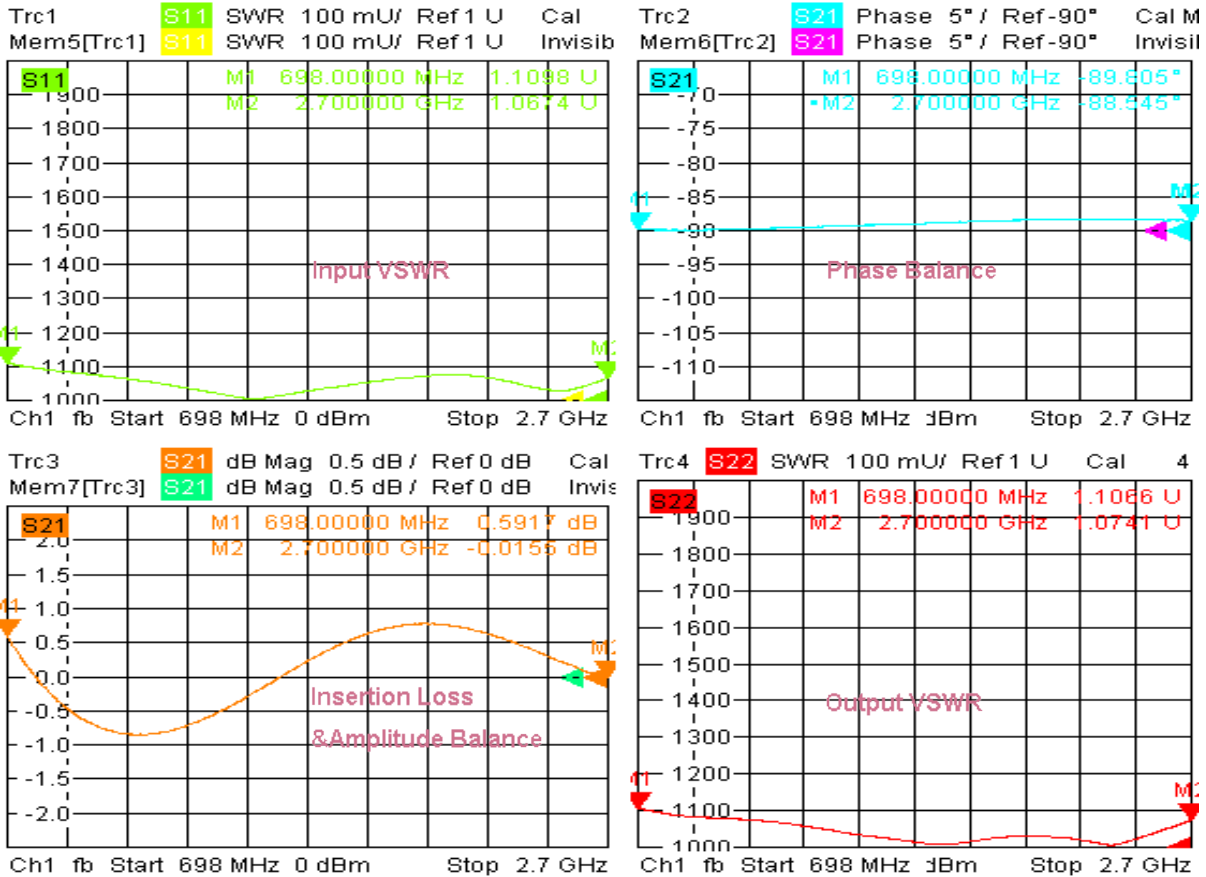


4/3/2020, 2:09 AM



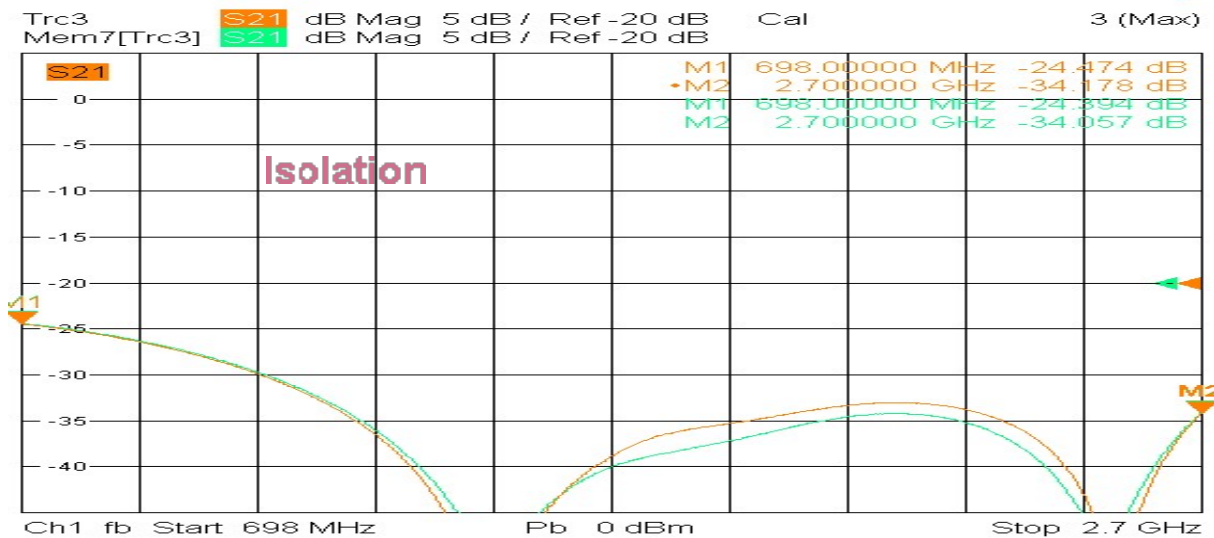
## Typical Performance

### 2. Insertion Loss, Amplitude/ Phase Balance, VSWR



4/3/2020, 2:09 AM

### 3. Isolation



4/3/2020, 2:16 AM

