

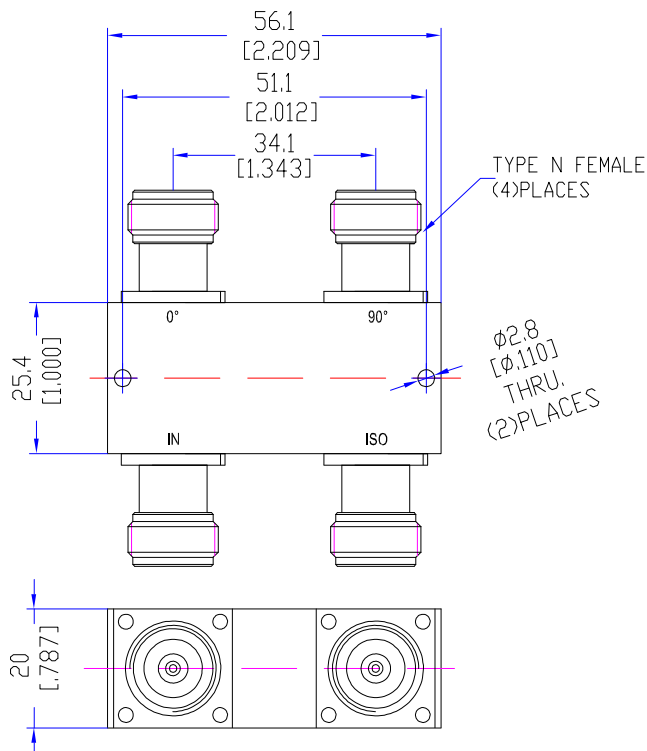
## Model THC3070N

### Features

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

Technical Data Sheet			
Frequency Range	3~7GHz	Finish	Painted Blue_ RAL #5007
Nominal Split	3.01dB	Connector Body	Brass, Tri-Alloy Plate
Insertion Loss	≤0.8dB	Housing	Aluminum, 6061 T6
Isolation	≥18dB		Clear Chem Conversion Film
Amplitude Balance	≤±0.5dB	Connector Pin	Beryllium Copper, Gold Plate
Phase Balance	≤±5°	Solder	Lead Free, RoHS Compliant
VSWR	≤1.40:1	Operating Temperature	-55~+85°C
<sup>1</sup> Power Handling	Average ≤50Watt Peak ≤3KW	Operating Humidity	Up to 95%,Non- Condensing
Impedance	50Ω	Weight	160g
Port Connectors	N-Female		

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

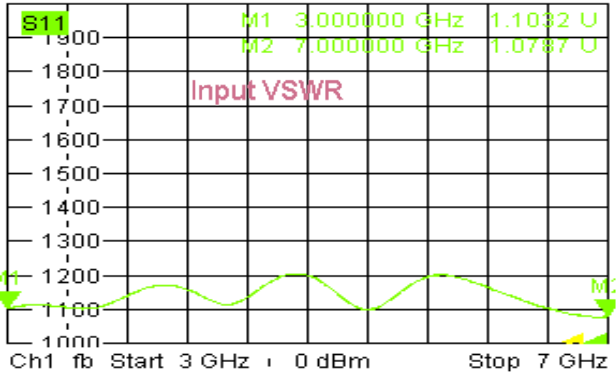


## Typical Performance

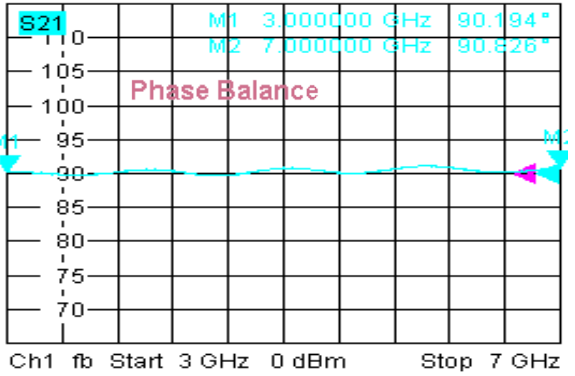
### 1. Insertion Loss, Amplitude & Phase Balance, VSWR



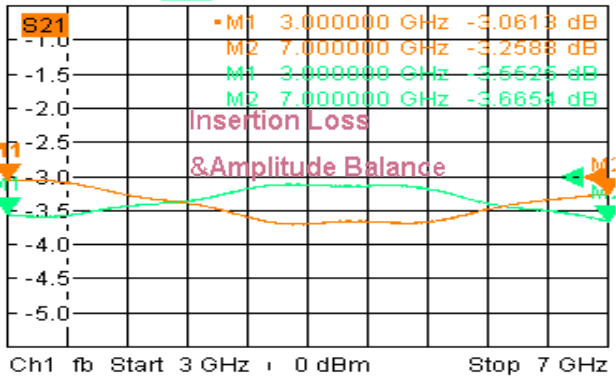
Trc1 Mem5[Trc1] **S11** SWR 100 mU/ Ref 1 U Cal Invisib



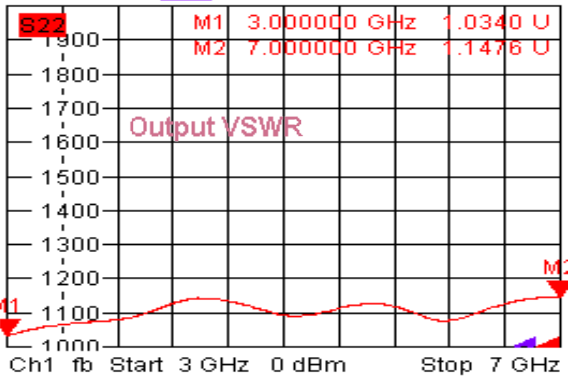
Trc2 Mem6[Trc2] **S21** Phase 5° / Ref 90° Cal Invisib



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



Trc4 Mem8[Trc4] **S22** SWR 100 mU/ Ref 1 U Cal Invisib

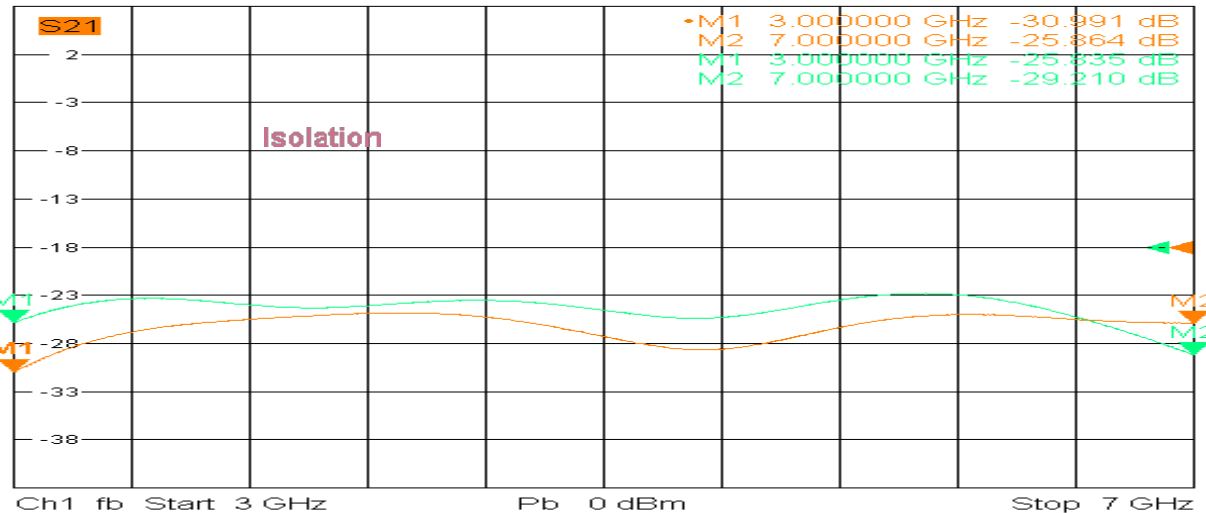


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### 2. Isolation



Trc3 Mem7[Trc3] **S21** dB Mag 5 dB / Ref -18 dB Cal 3 (Max)



4/25/2021, 6:08 PM

