

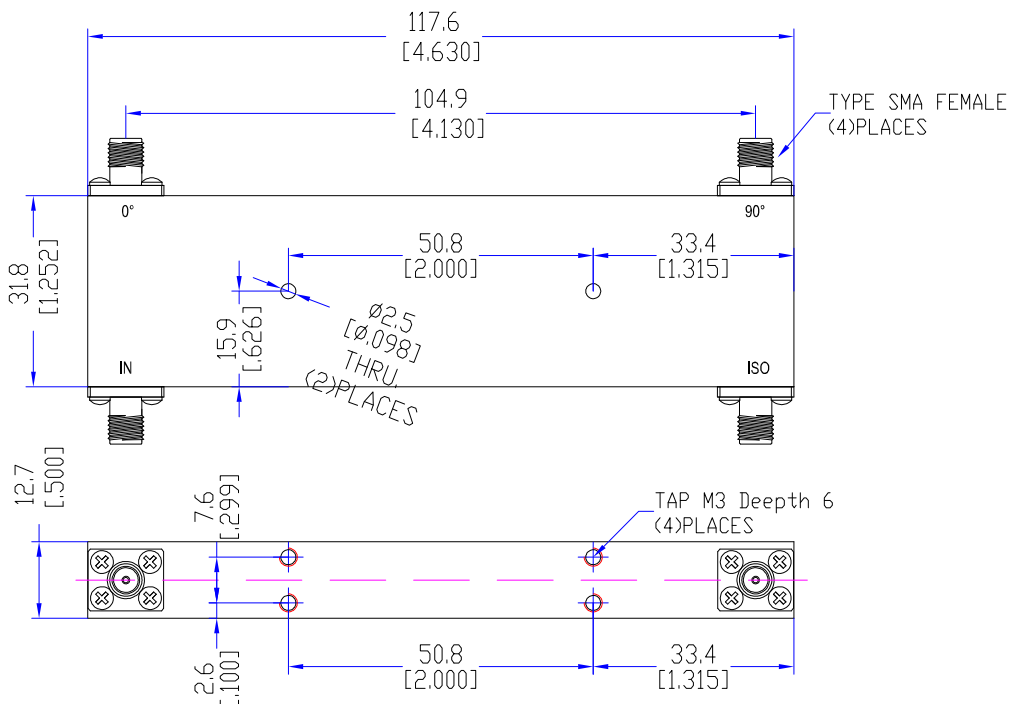
## Model THC07100A1

### Features

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

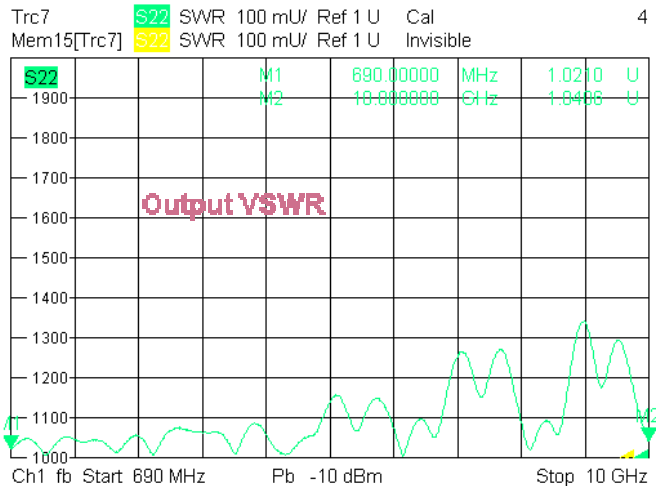
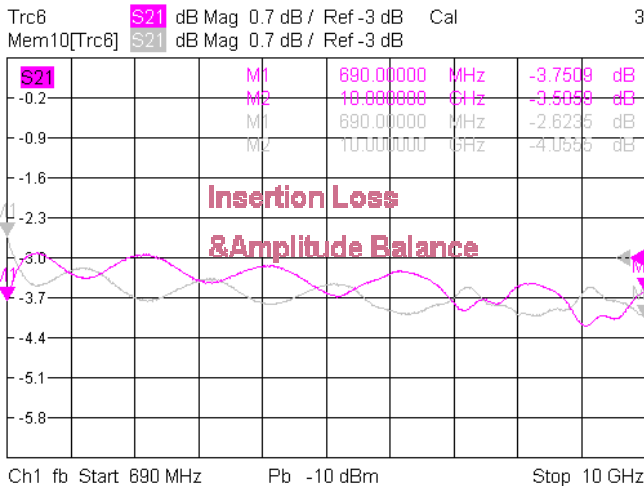
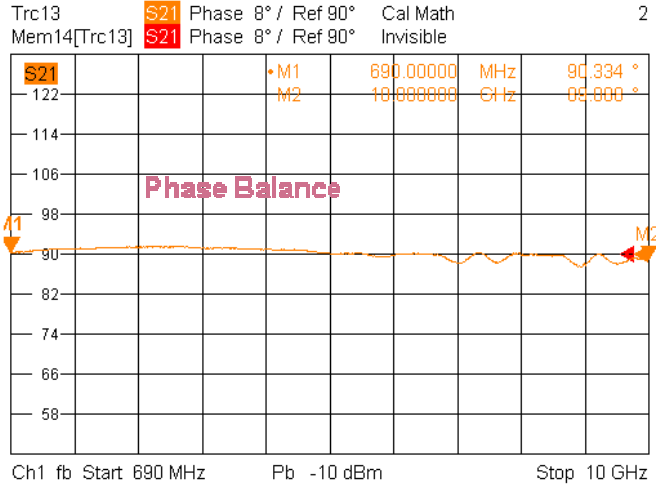
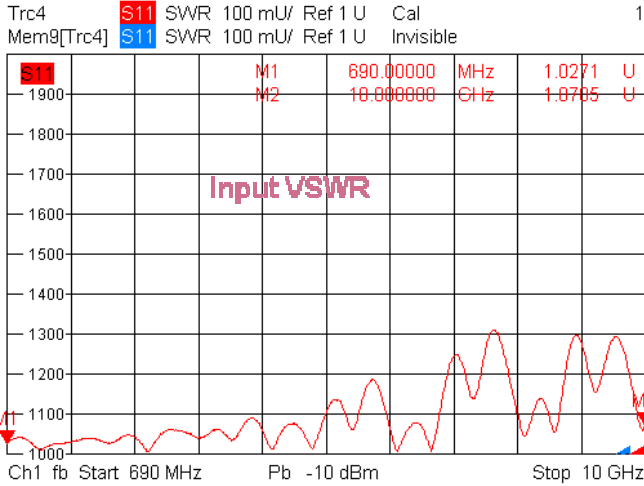
Technical Data Sheet			
Frequency Range	0.69~10GHz	Finish	Painted Blue_ RAL #5007
Nominal Split	3.01dB	Connector Body	Passivated Stainless Steel
Insertion Loss	≤1.5dB	Housing	Aluminum, 6061 T6
Isolation	≥17dB		Clear Chem Conversion Film
Amplitude Balance	≤±0.7dB	Connector Pin	Beryllium Copper, Gold Plate
Phase Balance	≤±8°	Solder	Lead Free, RoHS Compliant
VSWR	≤1.40:1	Operating Temperature	-55~+85°C
<sup>1</sup> Power Handling	Average ≤50Watt Peak ≤1KW	Operating Humidity	Up to 95%, Non-Condensing
Impedance	50Ω	Weight	90g
Port Connectors	SMA-Female		

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



## Typical Performance

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

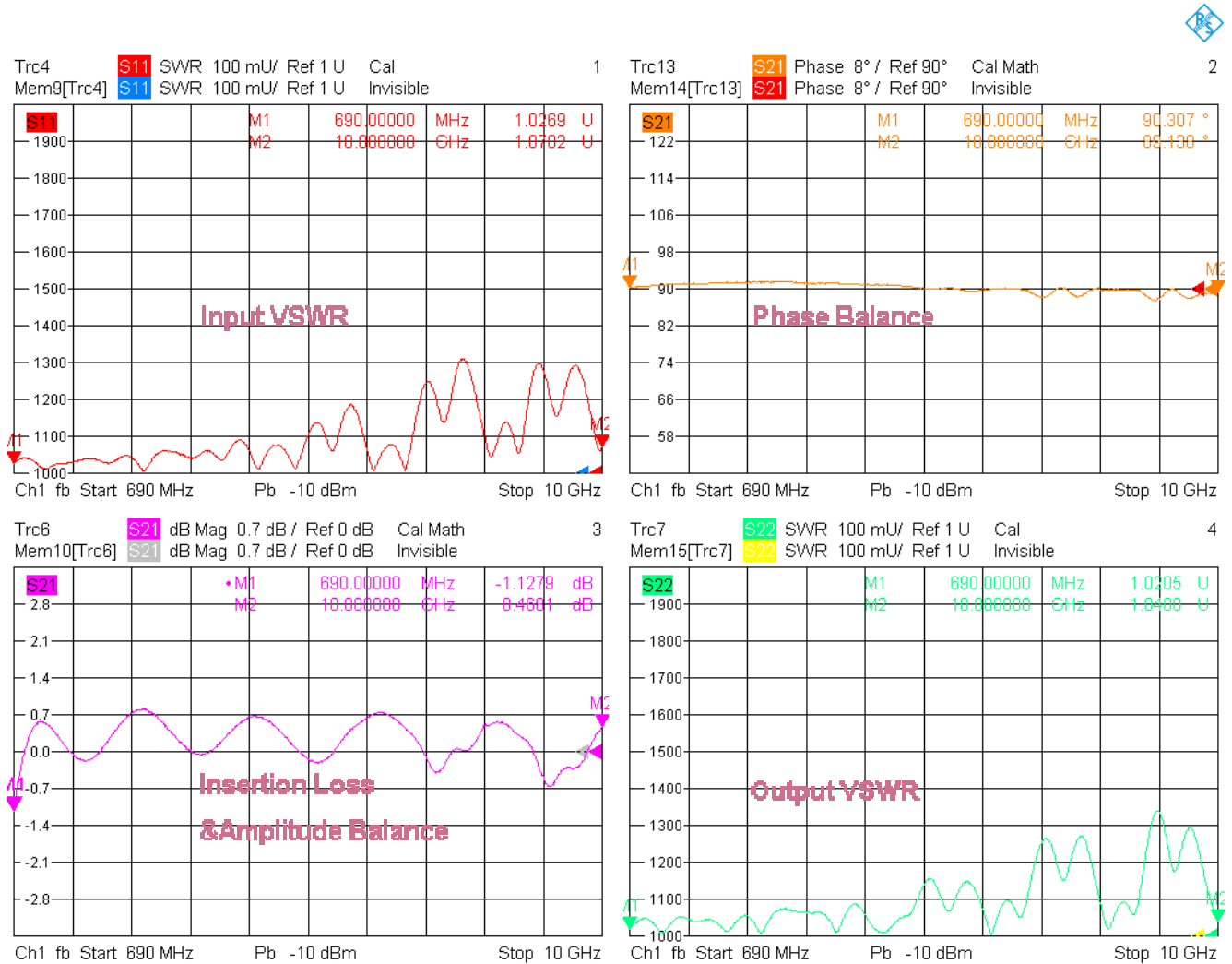


1/3/2023, 9:34 AM



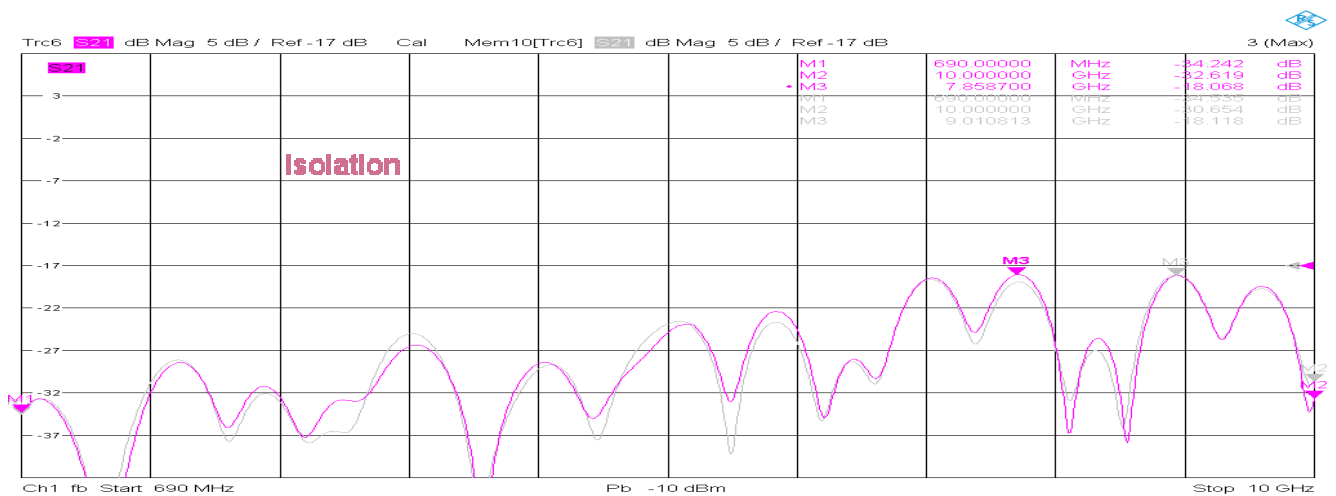
## Typical Performance

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



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### 3. Isolation



1/3/2023, 9:38 AM

