

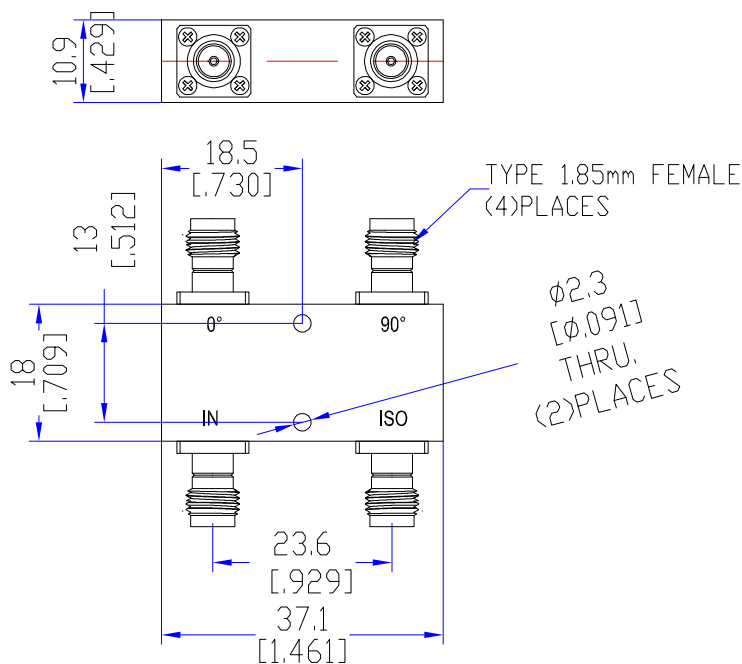
## Model THC30510A

### Features

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

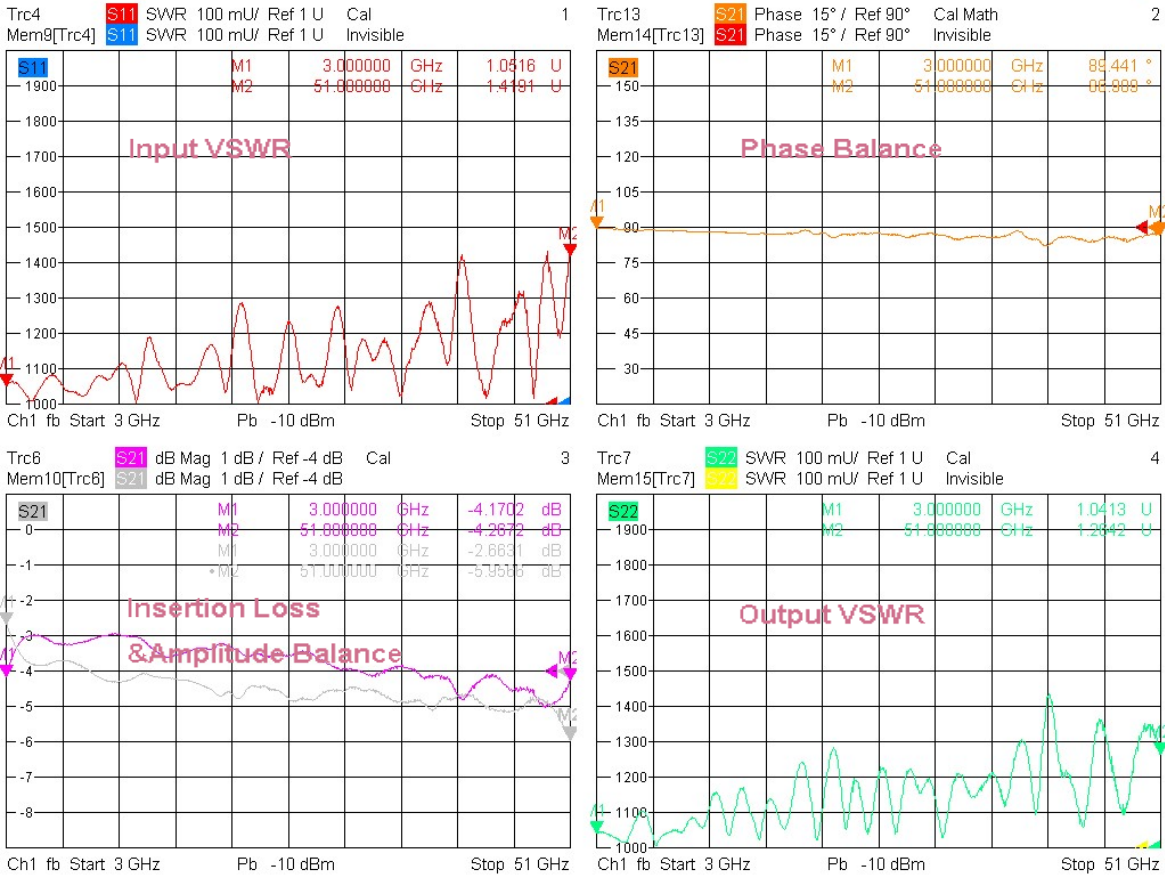
Technical Data Sheet			
Frequency Range	3~51GHz	Finish	Painted Blue_ RAL #5007
Nominal Split	3.01dB	Connector Body	Passivated Stainless Steel
Insertion Loss	≤2.7dB	Housing	Aluminum, 6061 T6
Isolation	≥12dB		Clear Chem Conversion Film
Amplitude Balance	≤±1.2dB	Connector Pin	Beryllium Copper, Gold Plate
Phase Balance	≤±12°	Solder	Lead Free, RoHS Compliant
VSWR	≤1.70:1	Operating Temperature	-55~+85°C
<sup>1</sup> Power Handling	Average ≤10Watt Peak ≤1KW	Operating Humidity	Up to 95%, Non-Condensing
Impedance	50Ω	Weight	30g
Port Connectors	1.85mm-Female		

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



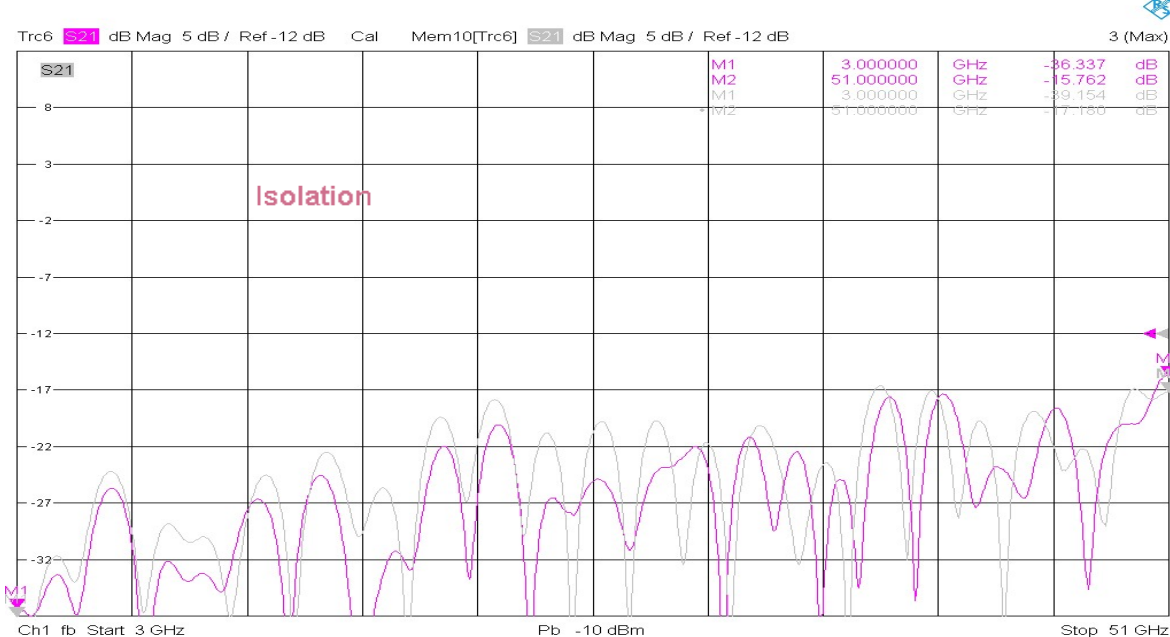
## Typical Performance

### 1. Insertion Loss, Amplitude & Phase Balance, VSWR\_90°



7/26/2021, 10:00 AM

### 3. Isolation



7/26/2021, 10:05 AM

