

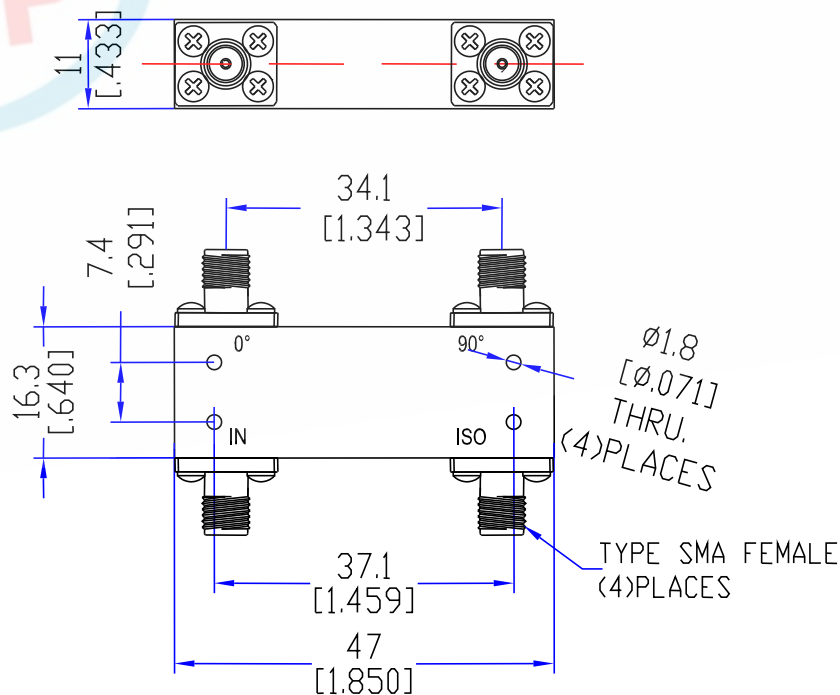
## Model THC7185A1

### Features

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

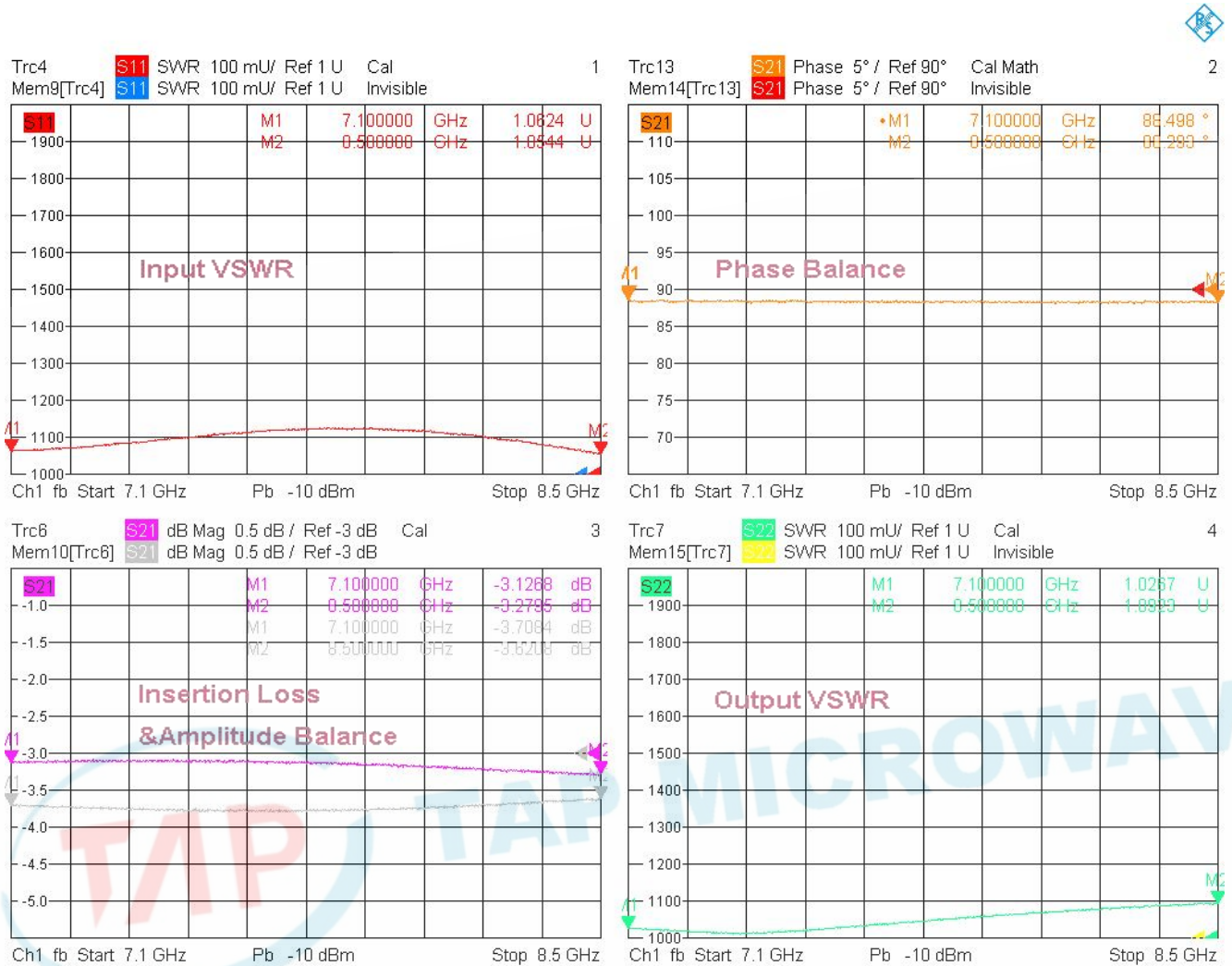
Technical Data Sheet			
Frequency Range	7.1~8.5GHz	Finish	Natural oxygen
Nominal Split	3.01±0.5dB	Connector Body	Passivated Stainless Steel
Insertion Loss	≤0.8dB	Housing	Aluminum, 6061 T6
Isolation	≥20dB (At +20°C)		Clear Chem Conversion Film
Amplitude Balance	≤±0.5dB	Connector Pin	Beryllium Copper, Gold Plate
Phase Balance	≤±5°	Solder	Lead Free, RoHS Compliant
VSWR	≤1.30:1	Operating Temperature	-20~+60°C
<sup>1</sup> Power Handling	Average ≤30Watt Peak ≤1KW	Operating Humidity	Up to 95%, Non-Condensing
Impedance	50Ω	Weight	30g
Port Connectors	SMA-Female		

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



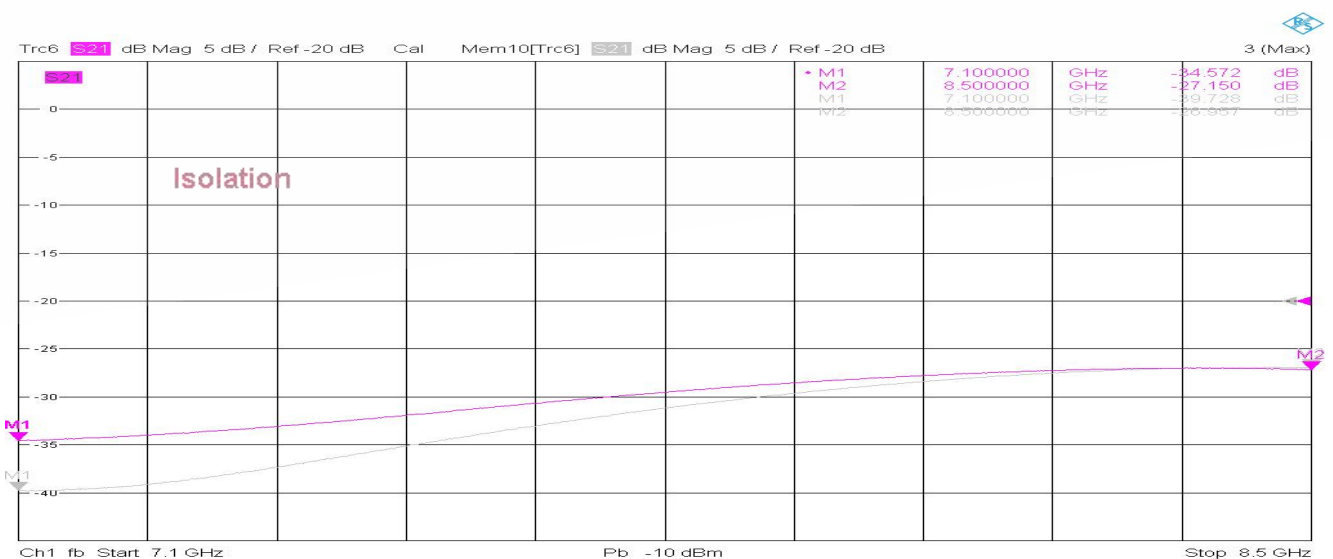
## Typical Performance

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



12/20/2024, 9:39 AM

### 2. Isolation



12/20/2024, 9:40 AM

