

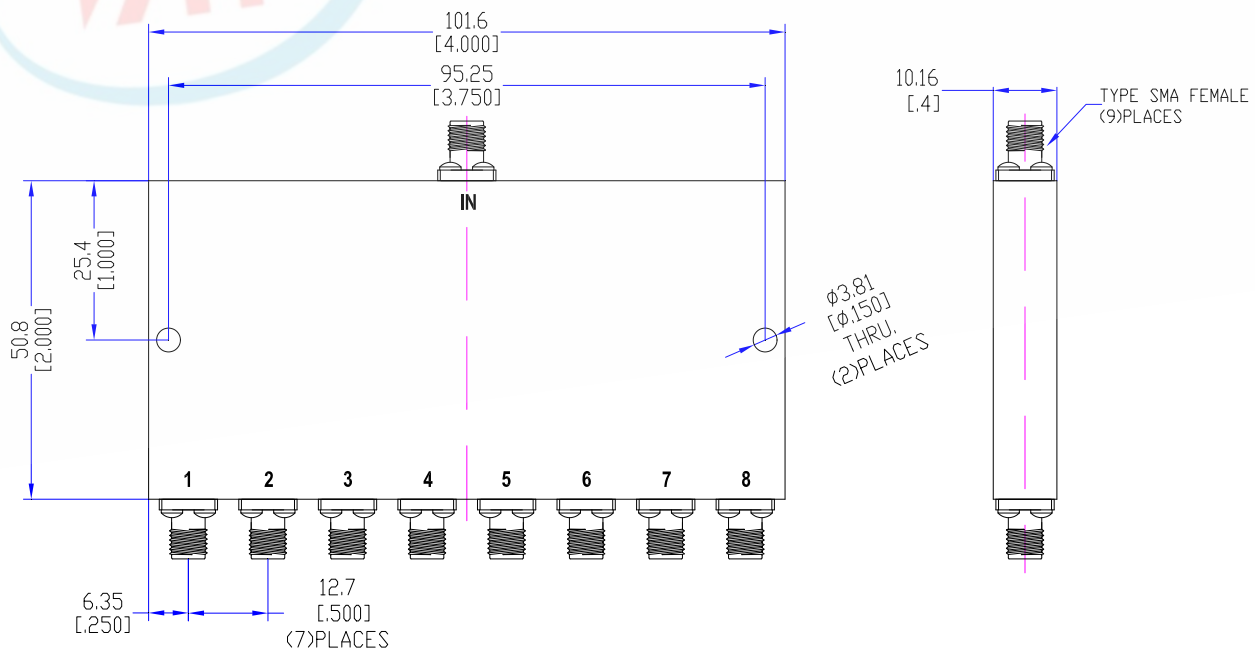
## Model TPD50180A8

### Features

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

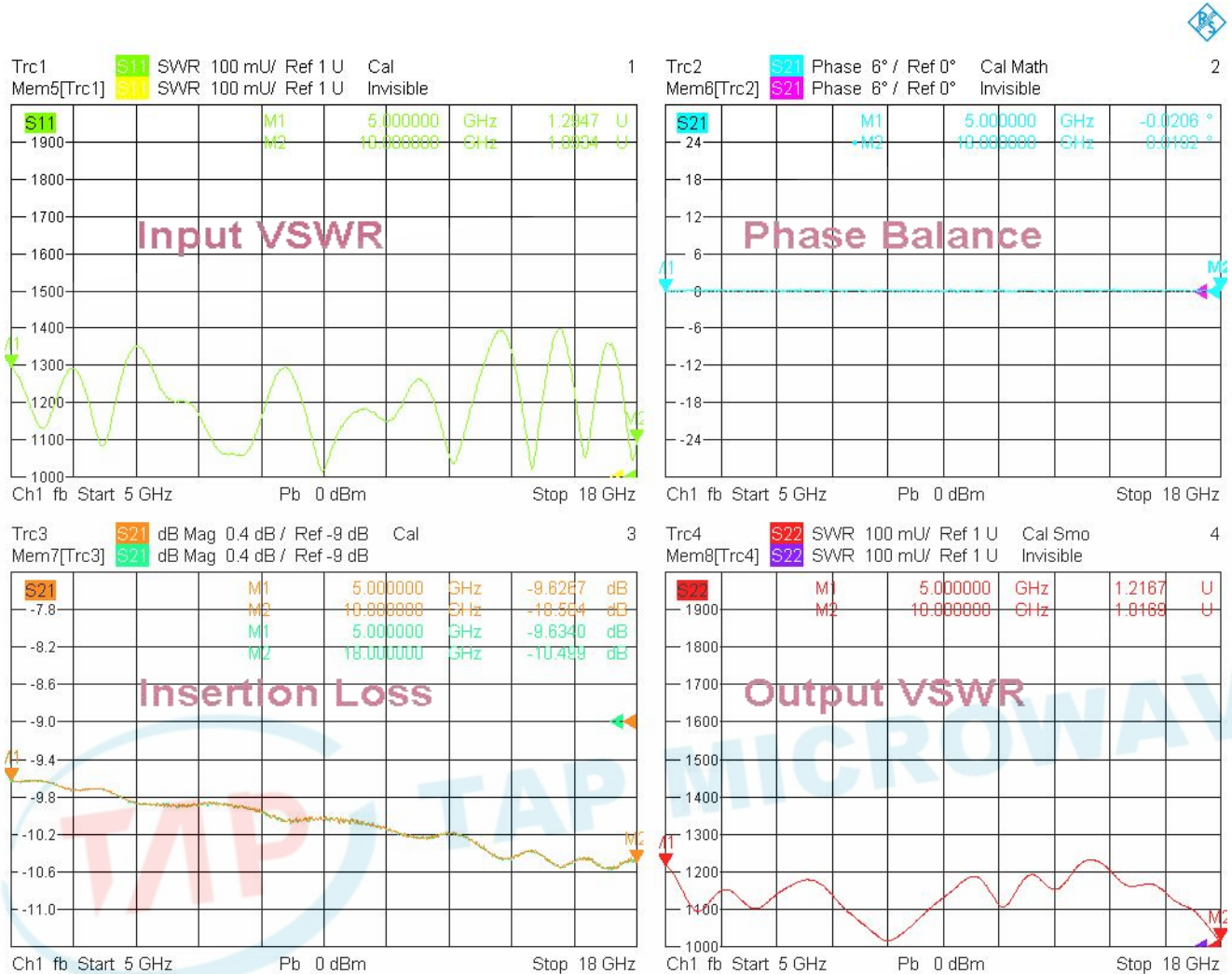
Technical Data Sheet			
Frequency Range	5~18GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤2.0dB (Above 9.03dB Split)	Connector Body	Passivated Stainless Steel
VSWR	Input ≤1.60:1 Output ≤1.50:1	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Isolation	≥15dB	Connector Pin	Beryllium Copper, Gold Plate
Amplitude Balance	≤±0.4dB	Solder	Lead Free, RoHS Compliant
Phase Balance	≤±6°	Operating Temperature	-55~+85°C
<sup>1</sup> Power Handling	Forward ≤30Watt; Reversed ≤1Watt	Operating Humidity	Up to 95%, Non-Condensing
Impedance	50Ω	Weight	130g
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

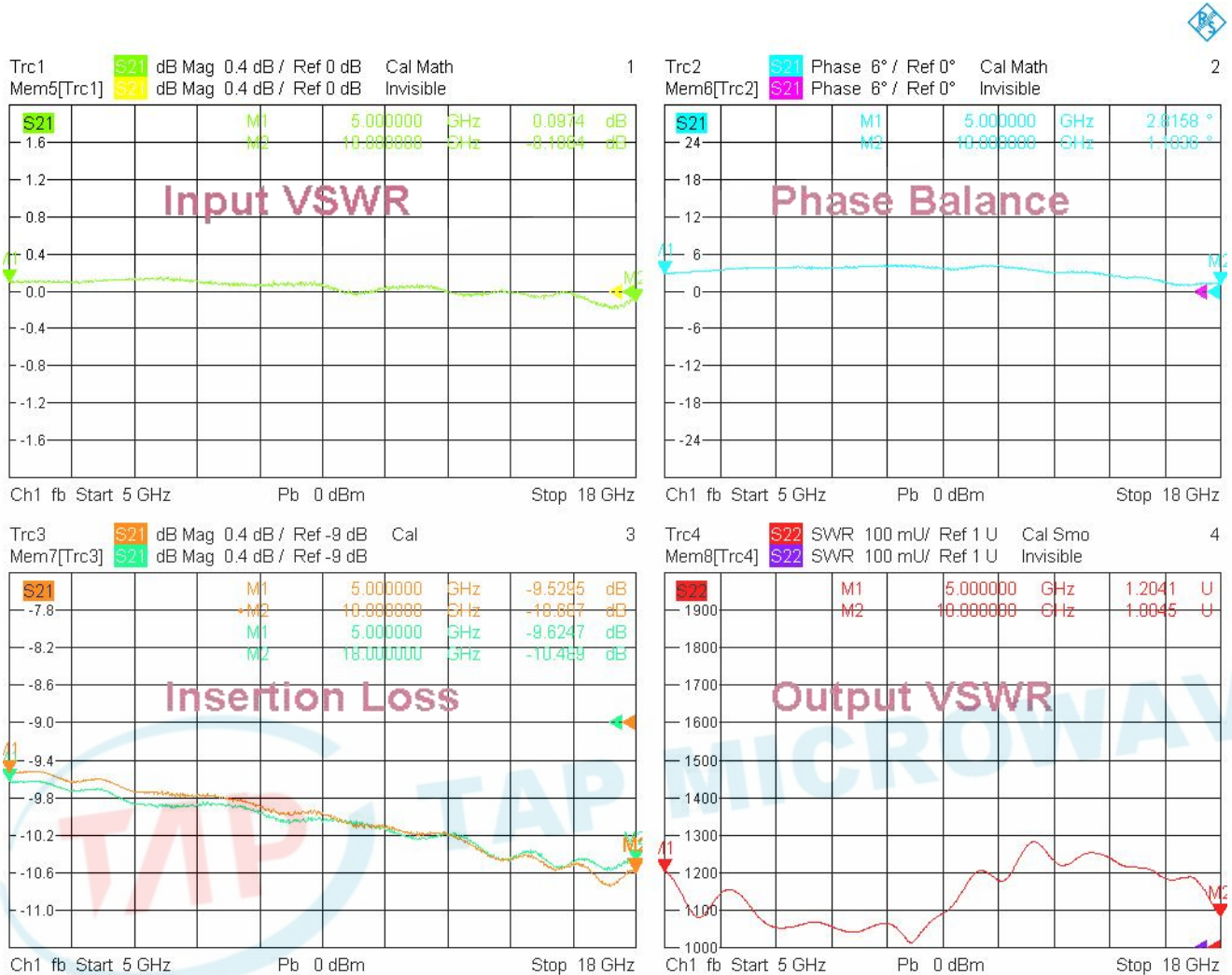


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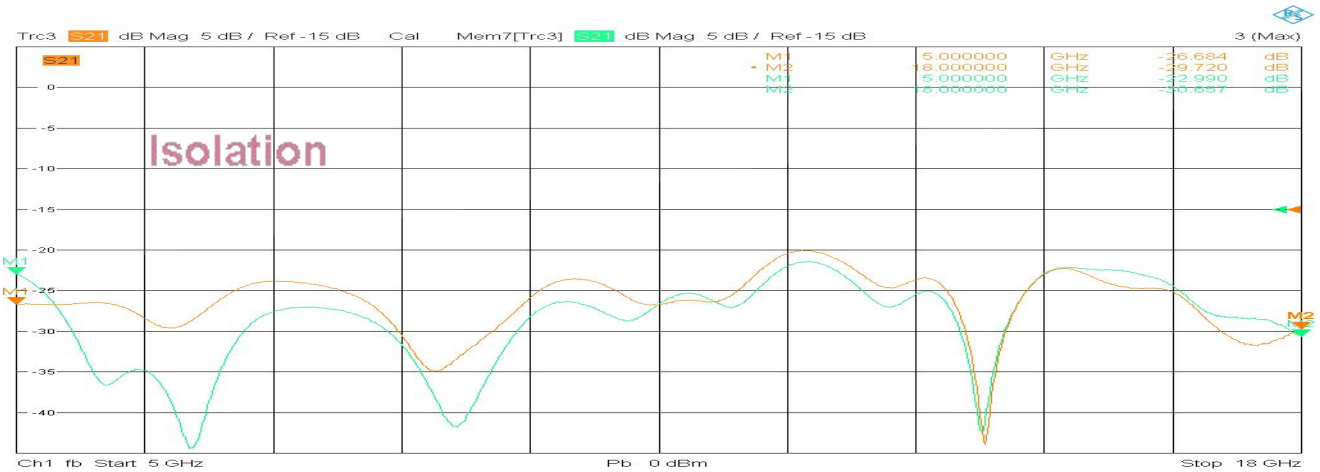
## Typical Performance

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



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### 3. Isolation



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