

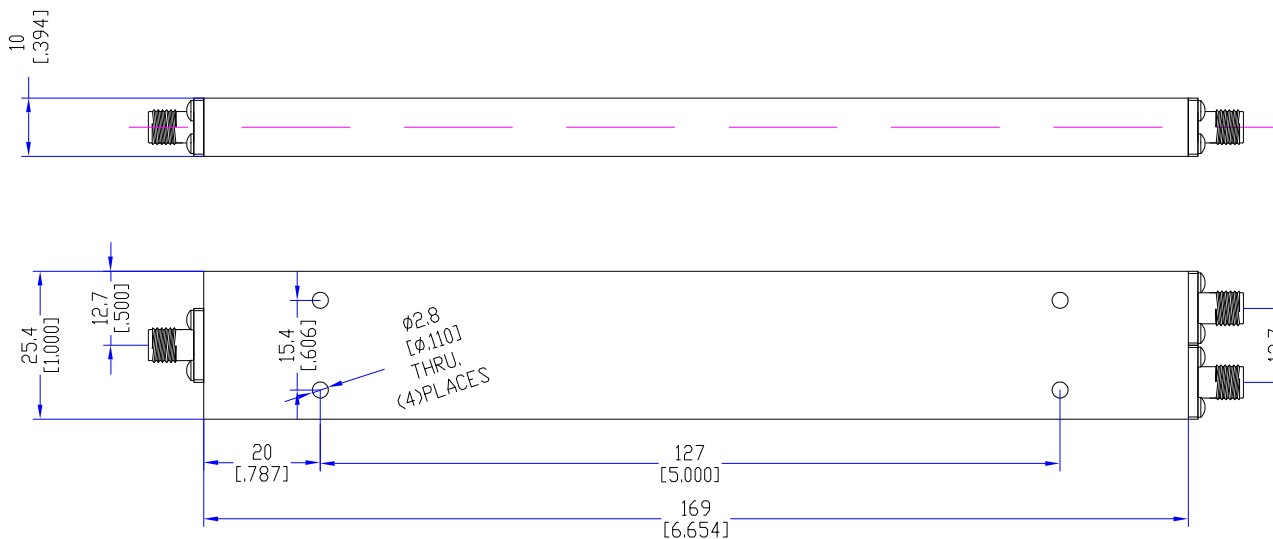
## Model TPD005180A2

### Features

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

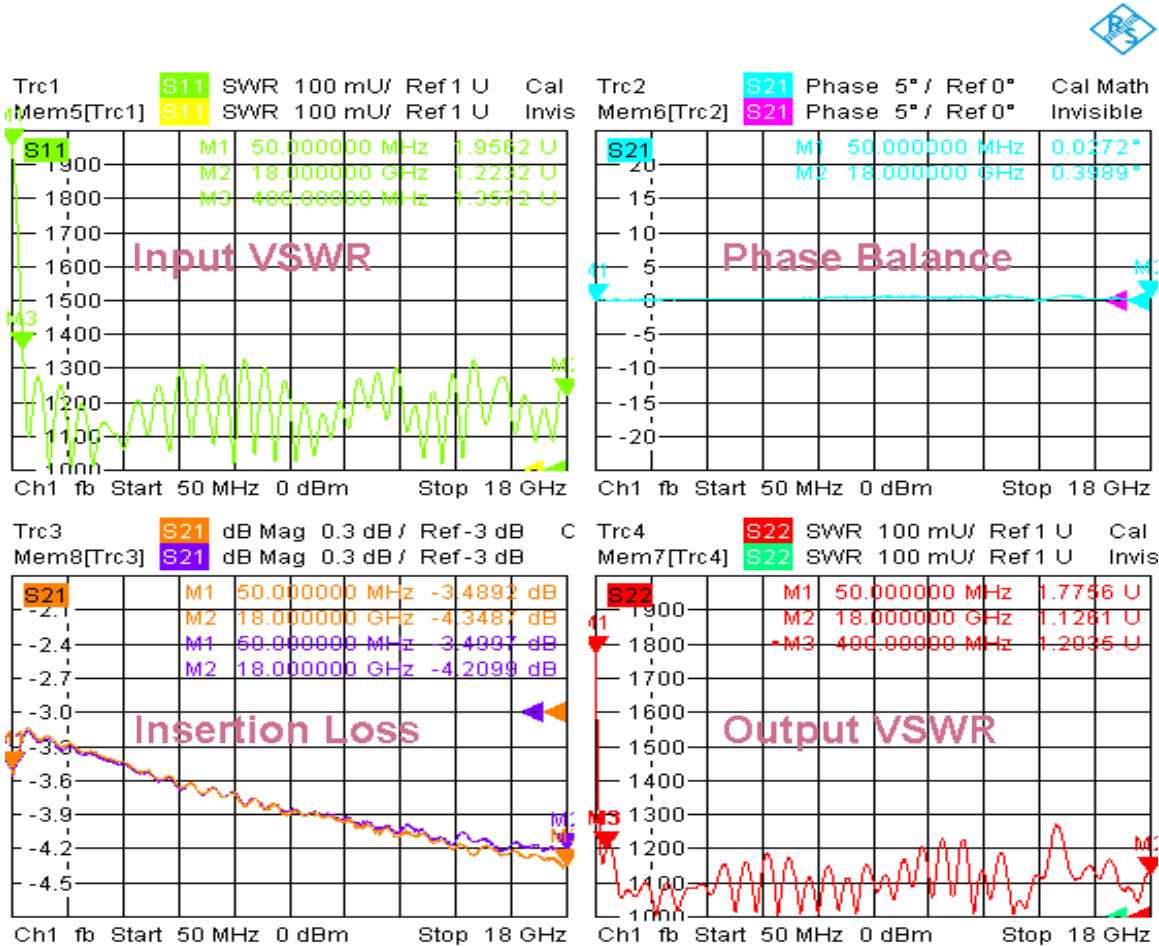
Technical Data Sheet			
Frequency Range	0.05~18GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤1.6dB (Above 3.01dB Split)	Connector Body	Passivated Stainless Steel
VSWR	Input ≤2.20:1@0.05-0.4GHz ≤1.60:1@0.4-18GHz Outputs≤1.90:1@0.05-0.4GHz ≤1.60:1@0.4-18GHz	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Isolation	≥3dB@0.05-0.4GHz ≥13dB@0.4-18GHz	Connector Pin	Beryllium Copper, Gold Plate
Amplitude Balance	≤±0.3dB	Solder	Lead Free, RoHS Compliant
Phase Balance	≤±5°	Operating Temperature	-55~+85°C
<sup>1</sup> Power Handling	Forward ≤5Watt; Reversed ≤1Watt	Operating Humidity	Up to 95%,Non- Condensing
Impedance	50Ω	Weight	100g
Port Connectors	SMA-Female		

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



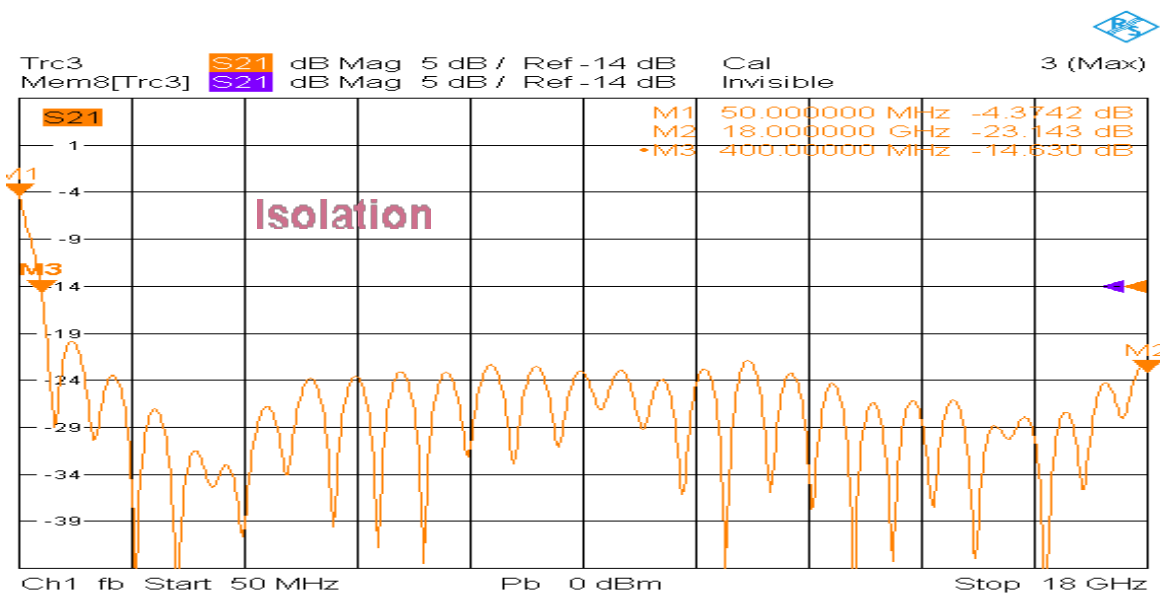
## Typical Performance

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



5/25/2021, 3:45 PM

### 2. Isolation



5/25/2021, 3:46 PM

