

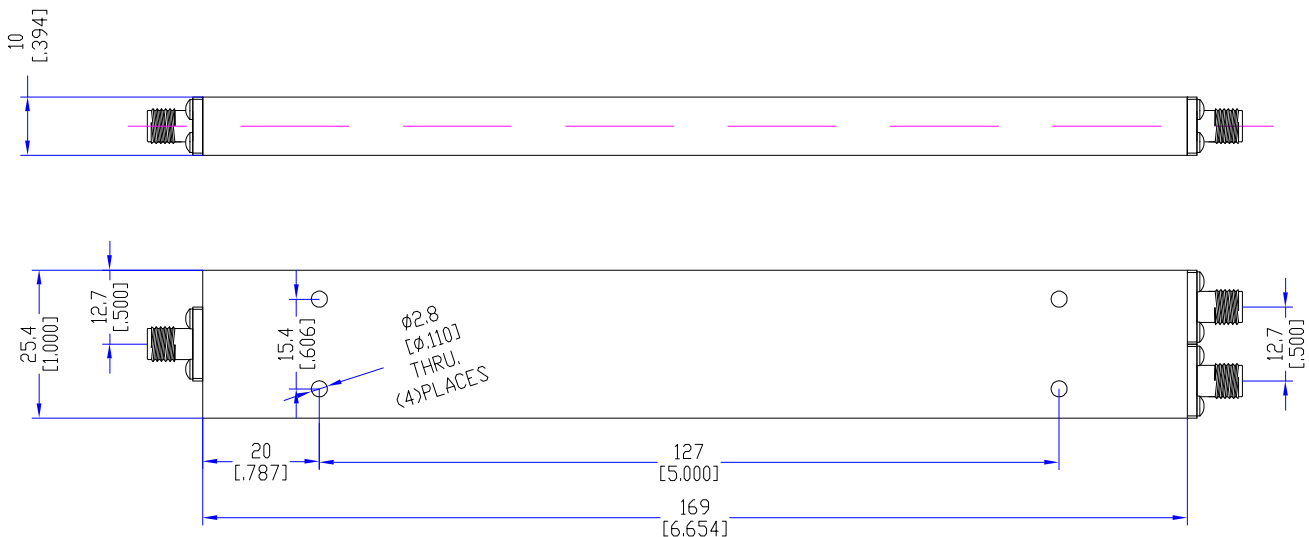
Model TPD05180A2A

Features

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

Technical Data Sheet			
Frequency Range	0.5~18GHz	Finish	Painted Blue_ GSB #PB06
Insertion Loss	≤1.5dB (Above 3.01dB Split)	Connector Body	Passivated Stainless Steel
		VSWR	Input ≤1.40:1 Output ≤1.40:1
VSWR	Input ≤1.40:1 Output ≤1.40:1	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Isolation	≥18dB	Connector Pin	Beryllium Copper, Gold Plate
Amplitude Balance	≤±0.3dB	Solder	Lead Free, RoHS Compliant
Phase Balance	≤±5°	Operating Temperature	-55~+85°C
Power Handling	Forward ≤30Watt; Reversed ≤1Watt	Operating Humidity	Up to 95%,Non- Condensing
		Impedance	50Ω
Impedance	50Ω	Weight	100g
Port Connectors	SMA-Female		

¹Power Handling guaranteed when load's VSWR within 1.50:1.

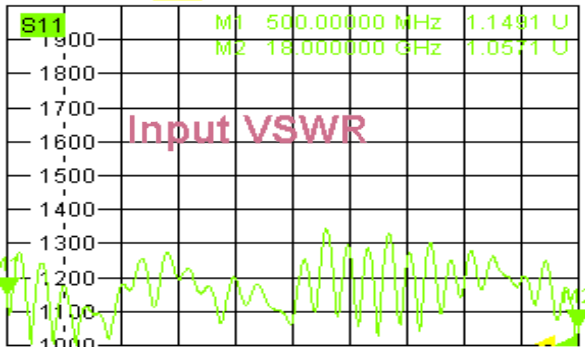


Typical Performance

1. Insertion Loss, Amplitude & Phase Balance, VSWR

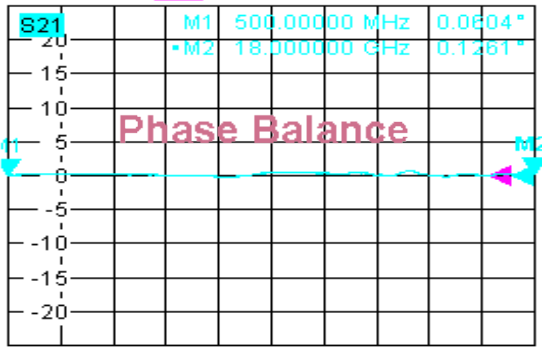


Trc1 **S11** SWR 100 mU/ Ref 1 U Cal
Mem5[Trc1] **S11** SWR 100 mU/ Ref 1 U Invisib



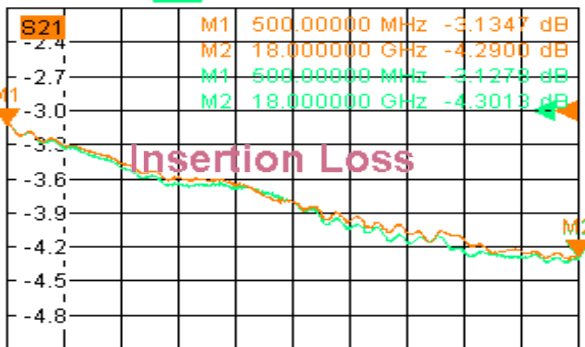
Ch1 fb Start 500 MHz J dBm Stop 18 GHz

Trc2 **S21** Phase 5° / Ref 0° Cal Mat
Mem6[Trc2] **S21** Phase 5° / Ref 0° Invisib



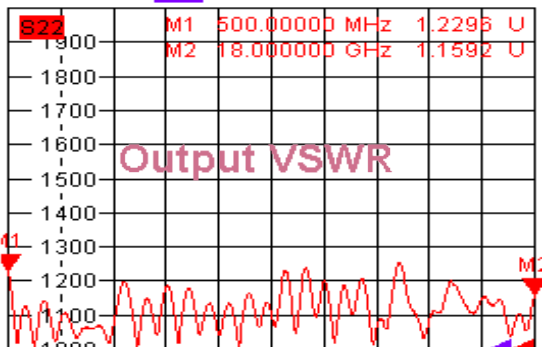
Ch1 fb Start 500 MHz J dBm Stop 18 GHz

Trc3 **S21** dB Mag 0.3 dB / Ref -3 dB Cal
Mem7[Trc3] **S21** dB Mag 0.3 dB / Ref -3 dB



Ch1 fb Start 500 MHz J dBm Stop 18 GHz

Trc4 **S22** SWR 100 mU/ Ref 1 U Ca
Mem8[Trc4] **S22** SWR 100 mU/ Ref 1 U In



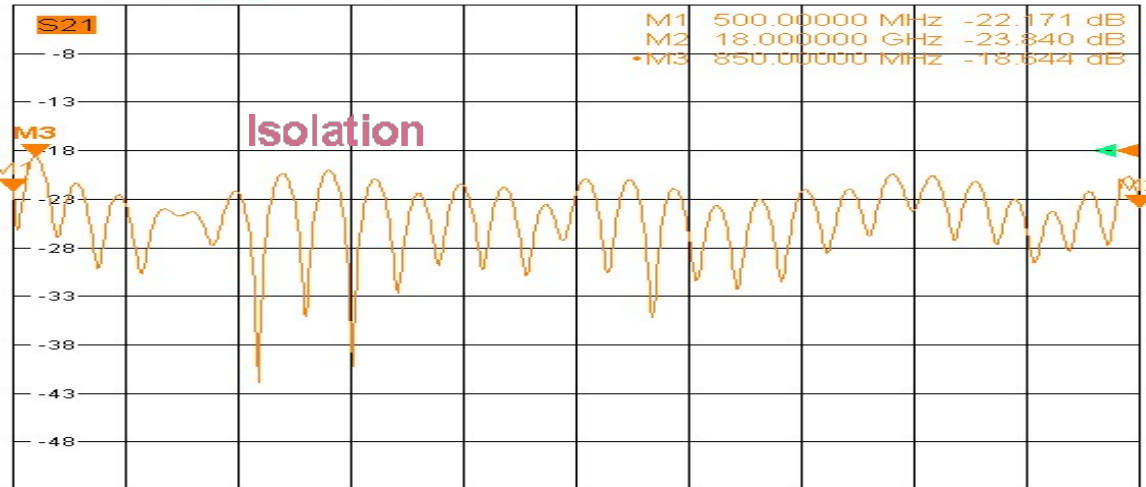
Ch1 fb Start 500 MHz J dBm Stop 18 GHz

5/28/2019, 4:41 AM

2. Isolation



Trc3 **S21** dB Mag 5 dB / Ref -18 dB Cal
Mem7[Trc3] **S21** dB Mag 5 dB / Ref -18 dB Invisib 3 (Max)



Ch1 fb Start 500 MHz Pb 0 dBm Stop 18 GHz

5/28/2019, 4:40 AM

