

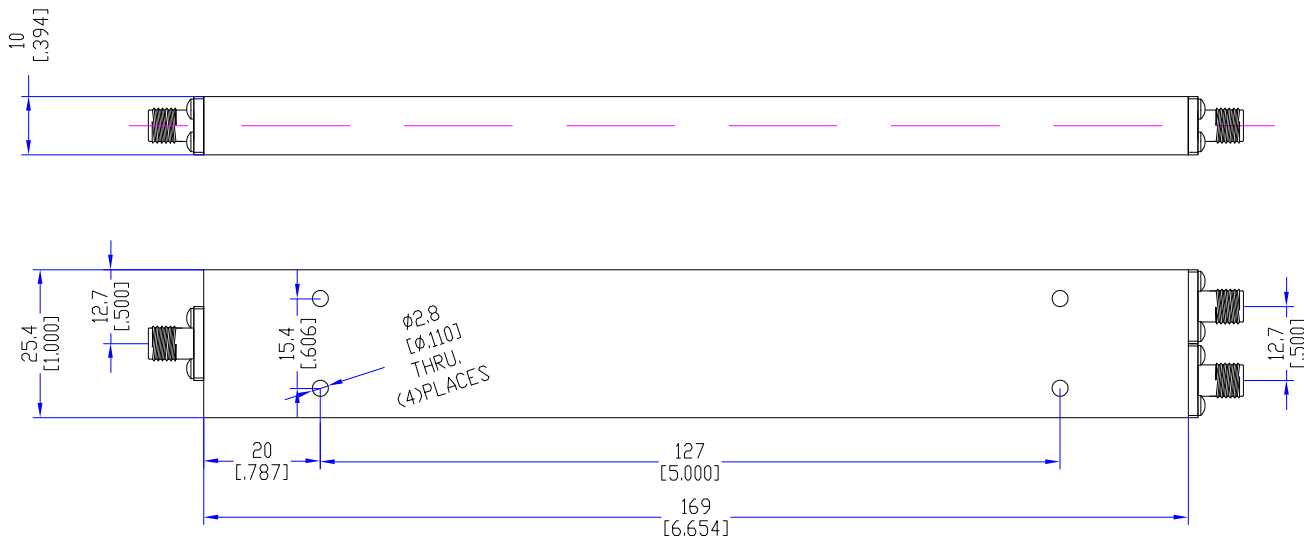
Model TPD05105A2

Features

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

Technical Data Sheet			
Frequency Range	0.5~10.5GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤1.5dB (Above 3.01dB Split)	Connector Body	Passivated Stainless Steel
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
¹ Power Handling	Forward: 0.5-6.8GHz @ 35W 0.5-9.8GHz @ 20W 0.5-10.5GHz @ 10W Reversed ≤1Watt	Operating Humidity	Up to 95%,Non- Condensing
Impedance	50Ω	Weight	100g
Port Connectors	SMA-Female		

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

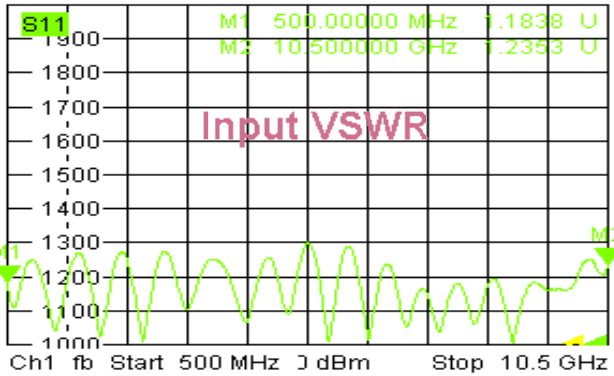


Typical Performance

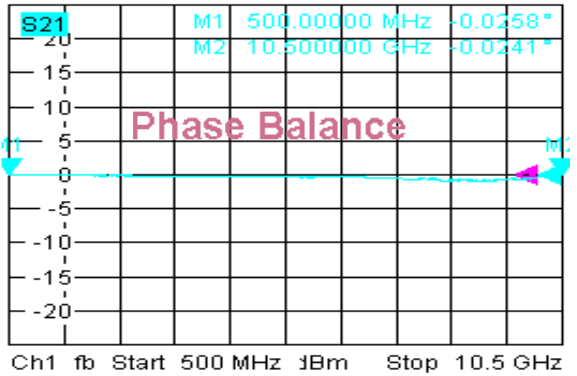
1. Insertion Loss, Amplitude &Phase Balance, VSWR



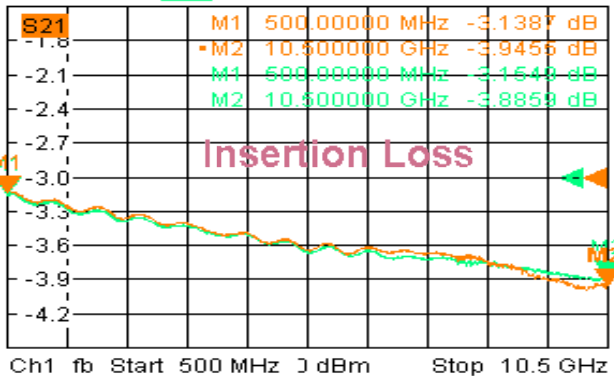
Trc1 Mem5[Trc1] S11 SWR 100 mU/ Ref1 U Cal Invisib



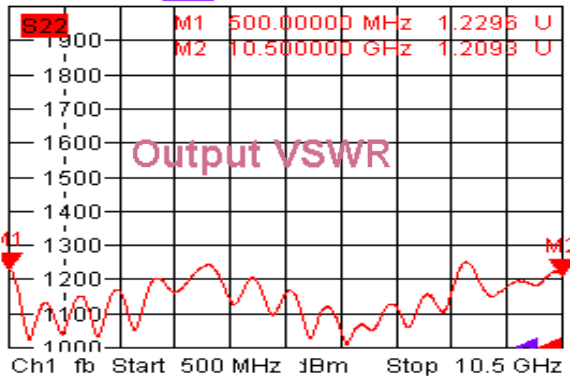
Trc2 Mem6[Trc2] S21 Phase 5° / Ref 0° Cal Mat Invisibl



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



Trc4 Mem8[Trc4] S22 SWR 100 mU/ Ref1 U Cal Invisibl

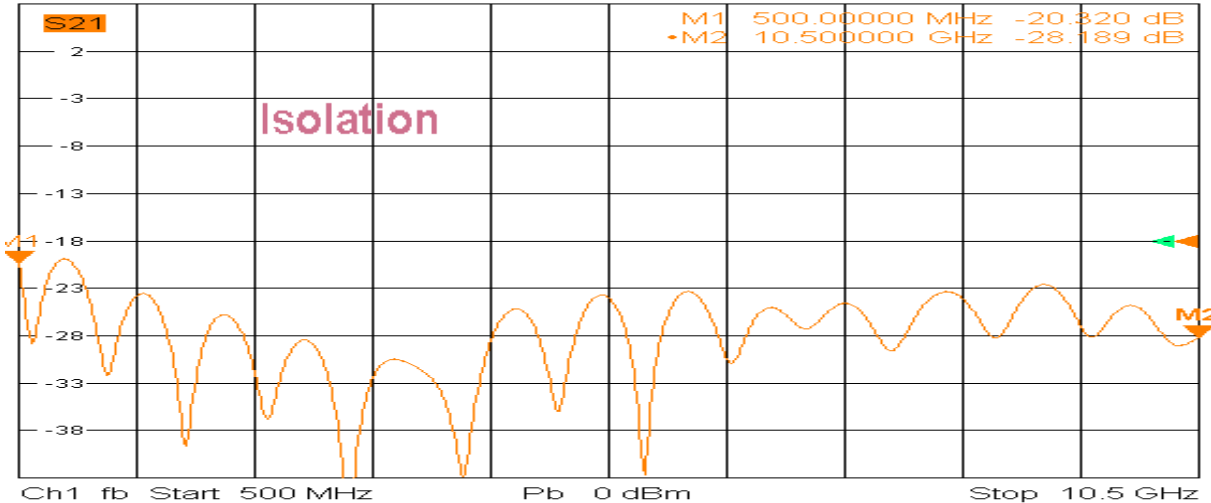


1/23/2021, 11:53 AM

2. Isolation



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



1/23/2021, 11:50 AM

