

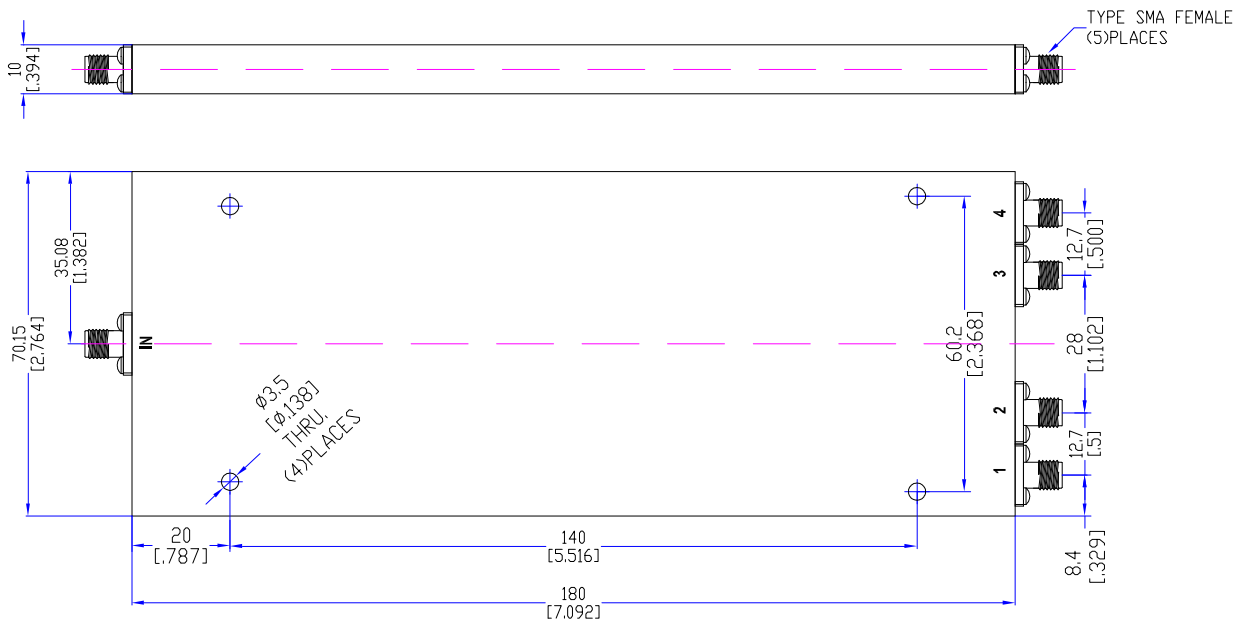
Model TPD05100A4

Features

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

Technical Data Sheet			
Frequency Range	0.5~10GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤3.4dB (Above 6.02dB Split)	Connector Body	Passivated Stainless Steel
VSWR	Input ≤1.60:1 Output ≤1.40:1	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Isolation	≥17dB	Connector Pin	Beryllium Copper, Gold Plate
Amplitude Balance	≤±0.5dB	Solder	Lead Free, RoHS Compliant
Phase Balance	≤±5°	Operating Temperature	-55~+85°C
¹ Power Handling	Forward ≤30Watt; Reversed ≤1Watt	Operating Humidity	Up to 95%,Non- Condensing
Impedance	50Ω	Weight	330g
Port Connectors	SMA-Female		

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

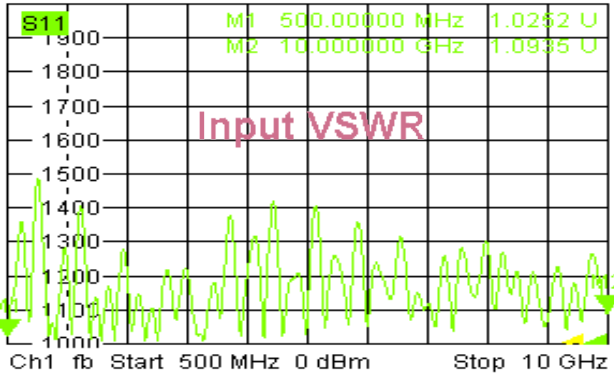


Typical Performance

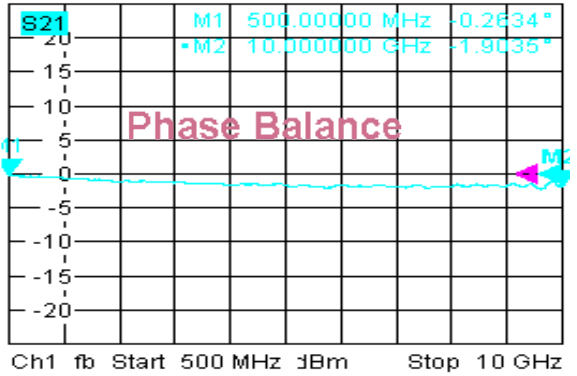
1. Insertion Loss, Amplitude &Phase Balance, VSWR



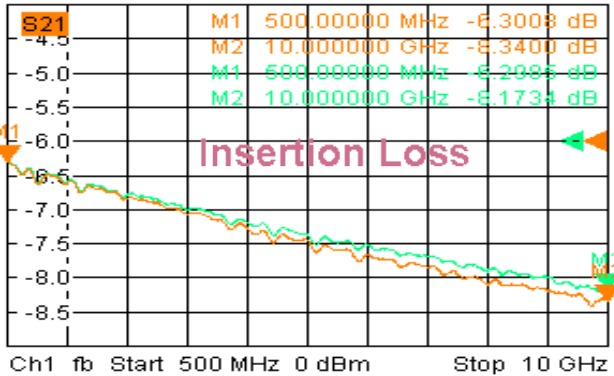
Trc1 Mem5[Trc1] S11 SWR 100 mU/ Ref 1 U Cal Invisib



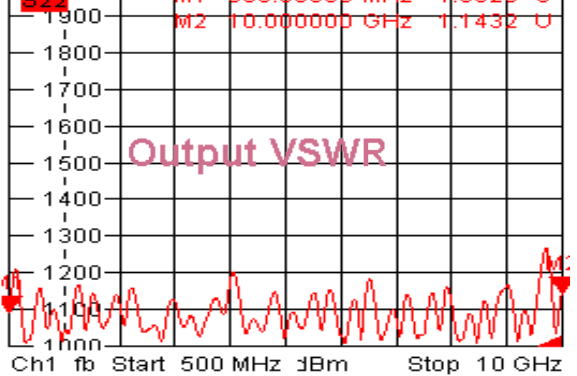
Trc2 Mem6[Trc2] S21 Phase 5° / Ref 0° Cal Mat Invisib



Trc3 Mem7[Trc3] S21 dB Mag 0.5 dB / Ref -6 dB Cal



Trc4 Mem8[Trc4] S22 SWR 100 mU/ Ref 1 U Cal 4

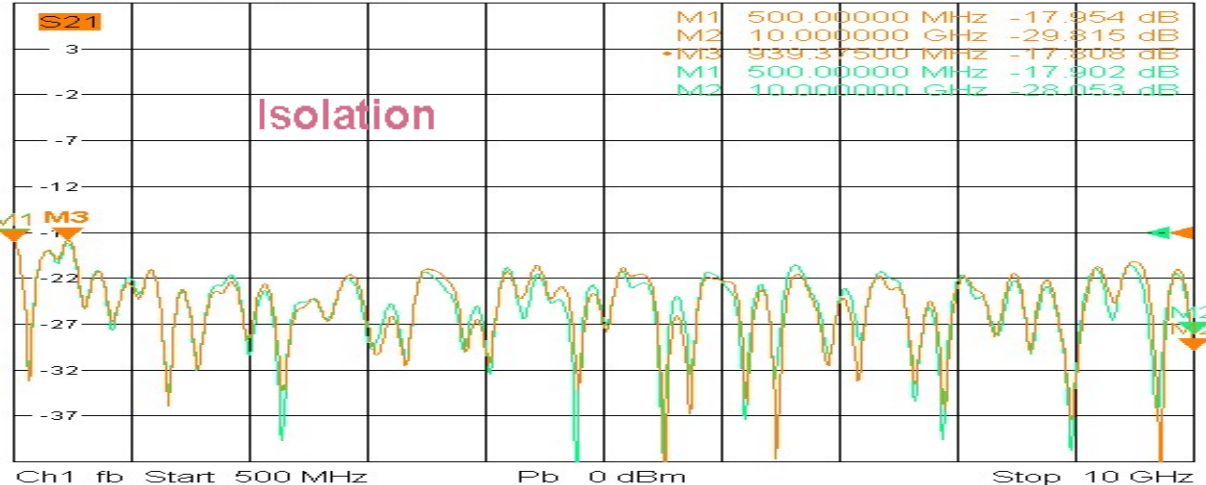


3/14/2020, 4:16 AM

2. Isolation



Trc3 Mem7[Trc3] S21 dB Mag 5 dB / Ref -17 dB Cal 3 (Max)



3/14/2020, 4:18 AM

