

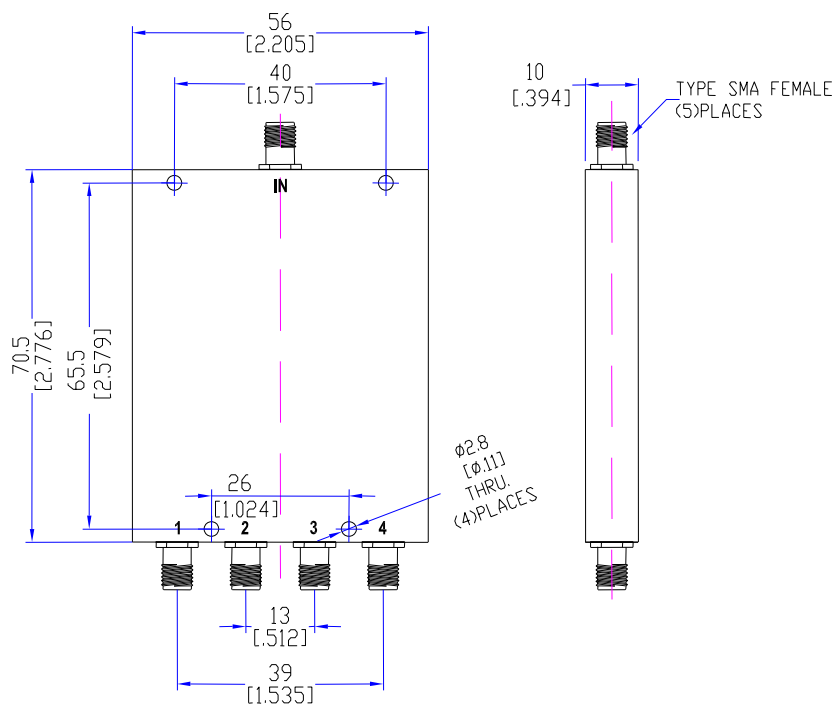
Model TPD1080A4

Features

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

Technical Data Sheet			
Frequency Range	1~8GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤1.60dB (Above 6.02dB Split)	Connector Body	Brass, Tri-Alloy Plate
VSWR	Input ≤1.40:1 Output ≤1.30:1	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	≤±3°	Operating Temperature	-55~+85°C
¹ Power Handling	Forward ≤30Watt; Reversed ≤1Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	60g
Port Connectors	SMA-Female		

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

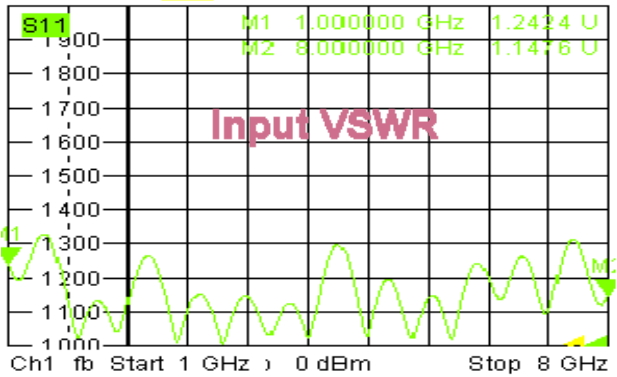


Typical Performance

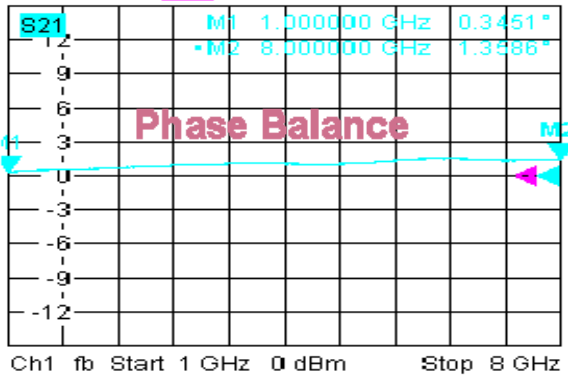
1. Insertion Loss, Amplitude & Phase Balance, VSWR



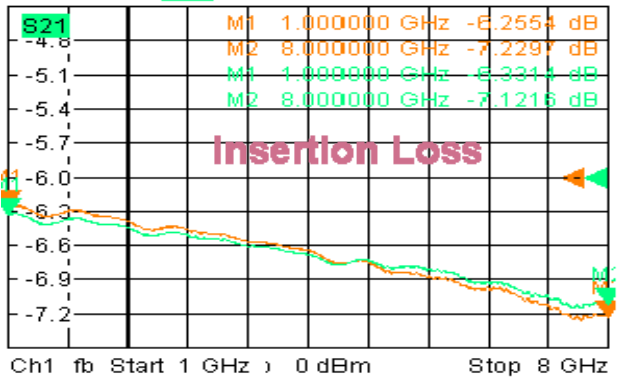
Trc1 Mem5[Trc1] **S11** SWR 100 mU / Ref 1 U Cal
 Mem5[Trc1] **S11** SWR 100 mU / Ref 1 U Invisib



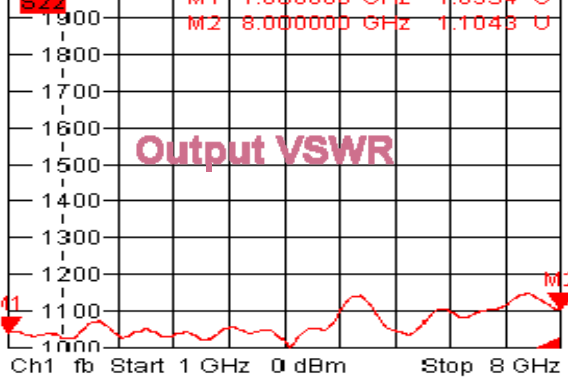
Trc2 Mem6[Trc2] **S21** Phase 3° / Ref 0° Cal Mat
 Mem6[Trc2] **S21** Phase 3° / Ref 0° Invisibl



Trc3 Mem7[Trc3] **S21** dB Mag 0.3 dB / Ref -6 dB Cal
 Mem7[Trc3] **S21** dB Mag 0.3 dB / Ref -6 dB



Trc4 **S22** SWR 100 mU / Ref 1 U Cal 4



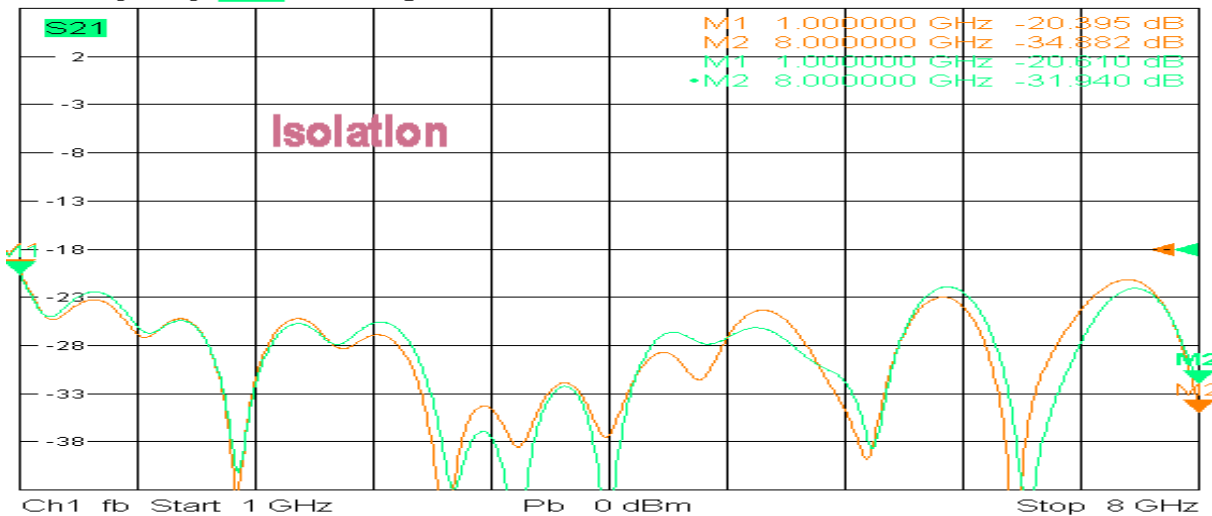
3/19/2019, 11:04 AM

2. Isolation



Trc3 Mem7[Trc3] **S21** dB Mag 5 dB / Ref -18 dB Cal
 Mem7[Trc3] **S21** dB Mag 5 dB / Ref -18 dB

3 (Max)



3/19/2019, 11:12 AM

