

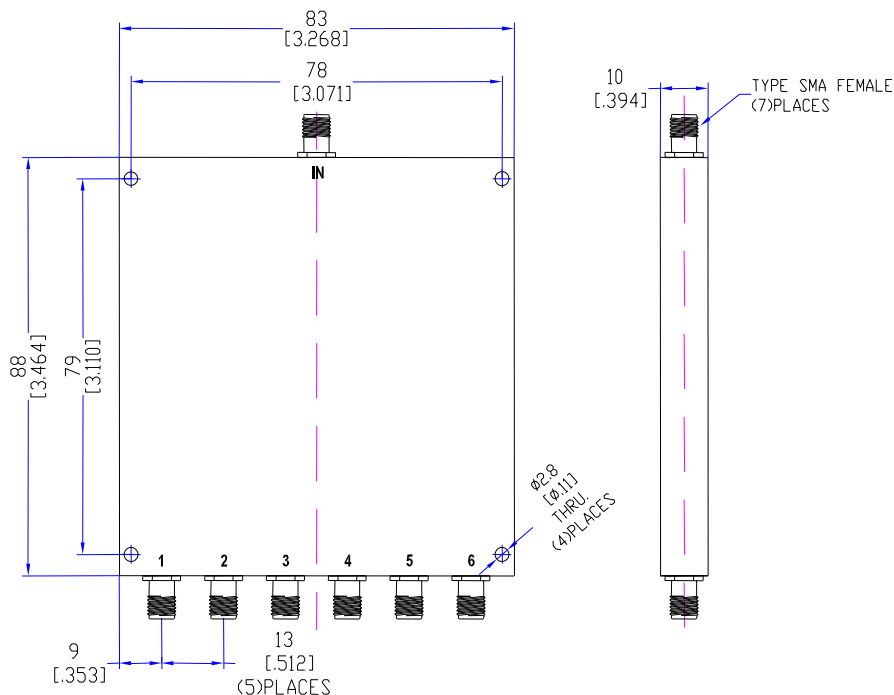
Model TPD2080A6A

Features

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

Technical Data Sheet			
Frequency Range	2~8GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤1.40dB (Above 7.78dB Split)	Connector Body	Brass, Tri-Alloy Plate
VSWR	Input ≤1.50:1 Output ≤1.40:1	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Isolation	≥19dB	Connector Pin	Beryllium Copper, Gold Plate
Amplitude Balance	≤±0.5dB	Solder	Lead Free, RoHS Compliant
Phase Balance	≤±5°	Operating Temperature	-55~+85°C
Ripple	≤0.2dB@2.5-3.5GHz ≤0.3dB@4.5-5.5GHz	Operating Humidity	Up to 95%, Non- Condensing
¹ Power Handling	Forward ≤30Watt; Reversed ≤1Watt	Port Connectors	SMA-Female
Impedance	50Ω	Weight	210g

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

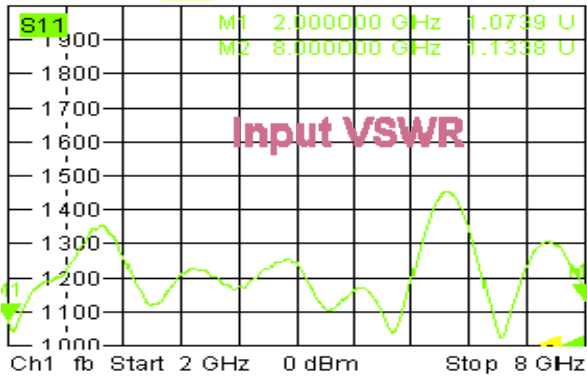


Typical Performance

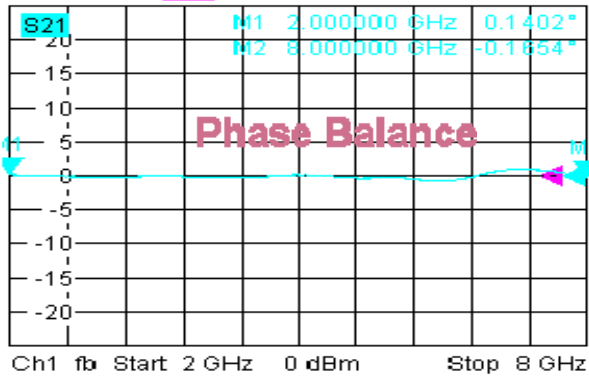
1. Insertion Loss, Amplitude & Phase Balance, VSWR



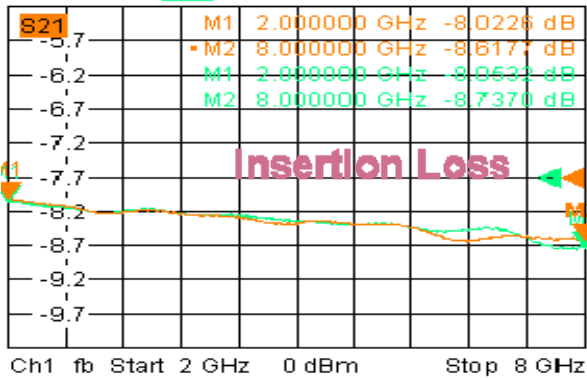
Trc1 Mem5[Trc1] S11 SWR 100 mU/ Ref 1 U Cal Invis



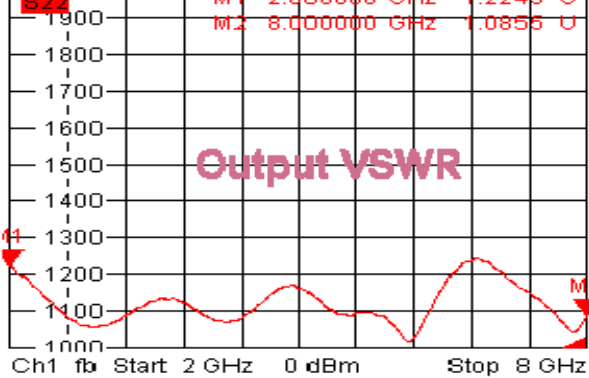
Trc2 Mem6[Trc2] S21 Phase 5° / Ref 0° Cal Math Invisible



Trc3 Mem7[Trc3] S21 dB Mag 0.5 dB / Ref -7.7 dB



Trc4 S22 SWR 100 mU/ Ref 1 U Cal 4

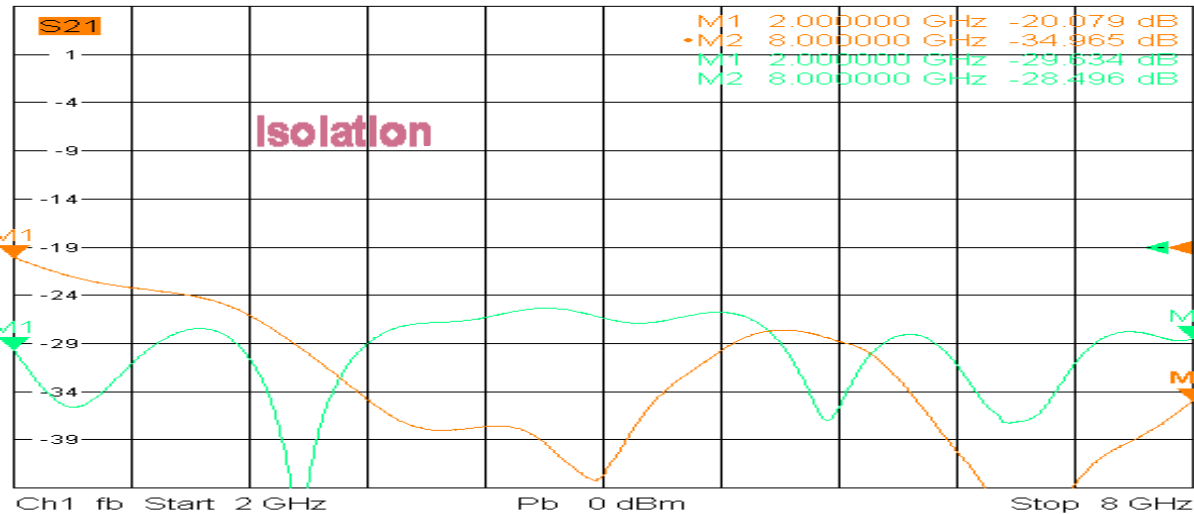


12/7/2018, 10:51 AM

2. Isolation



Trc3 Mem7[Trc3] S21 dB Mag 5 dB / Ref -19 dB Cal 3 (Max)



12/7/2018, 10:57 AM

