

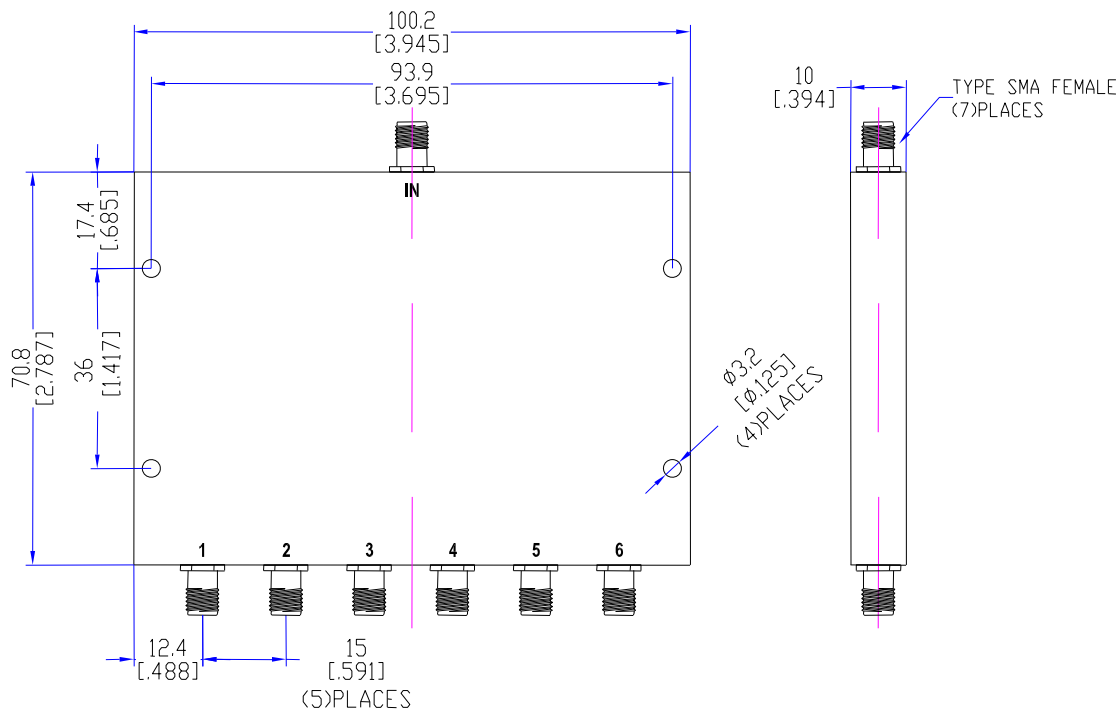
Model TPD2040A6

Features

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

Technical Data Sheet			
Frequency Range	2~4GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤1.0dB (Above 7.78dB 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	≥20dB	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	160g
Port Connectors	SMA-Female		

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

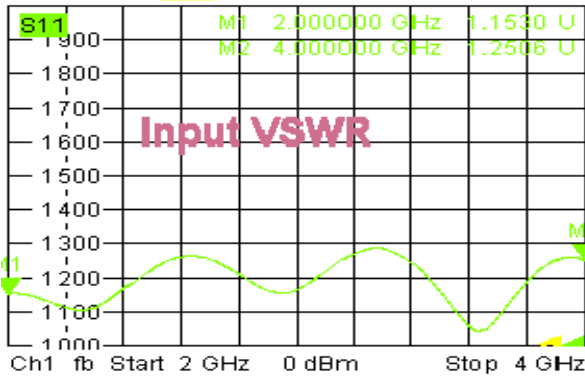


Typical Performance

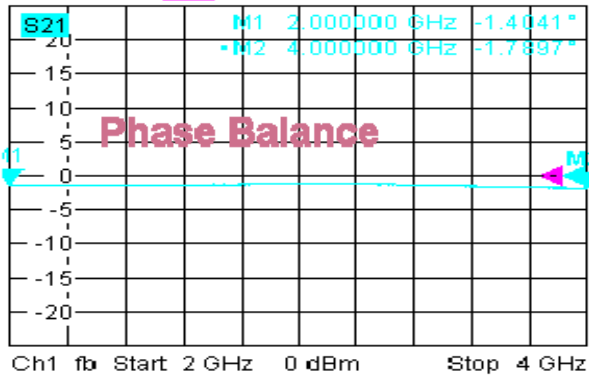
1. Insertion Loss, Amplitude & Phase Balance, VSWR



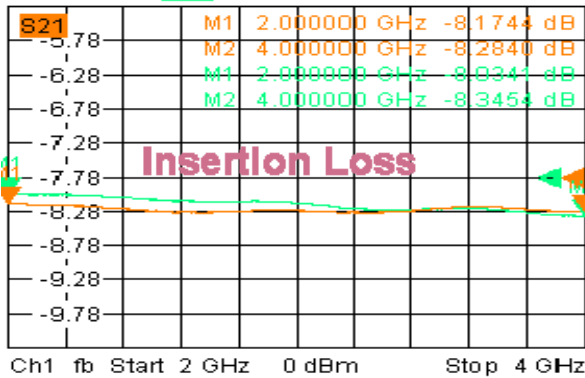
Trc1 **S11** SWR 100 mU/ Ref 1 U Cal
 Mem5[Trc1] **S11** SWR 100 mU/ Ref 1 U Invis



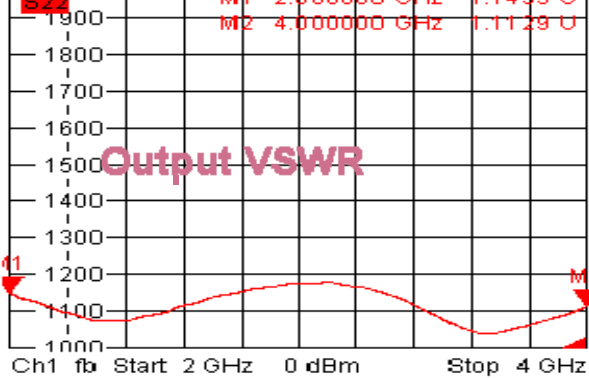
Trc2 **S21** Phase 5° / Ref 0° Cal Math
 Mem6[Trc2] **S21** Phase 5° / Ref 0° Invisible



Trc3 **S21** dB Mag 0.5 dB / Ref -7.78 dB
 Mem7[Trc3] **S21** dB Mag 0.5 dB / Ref -7.78 dB



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

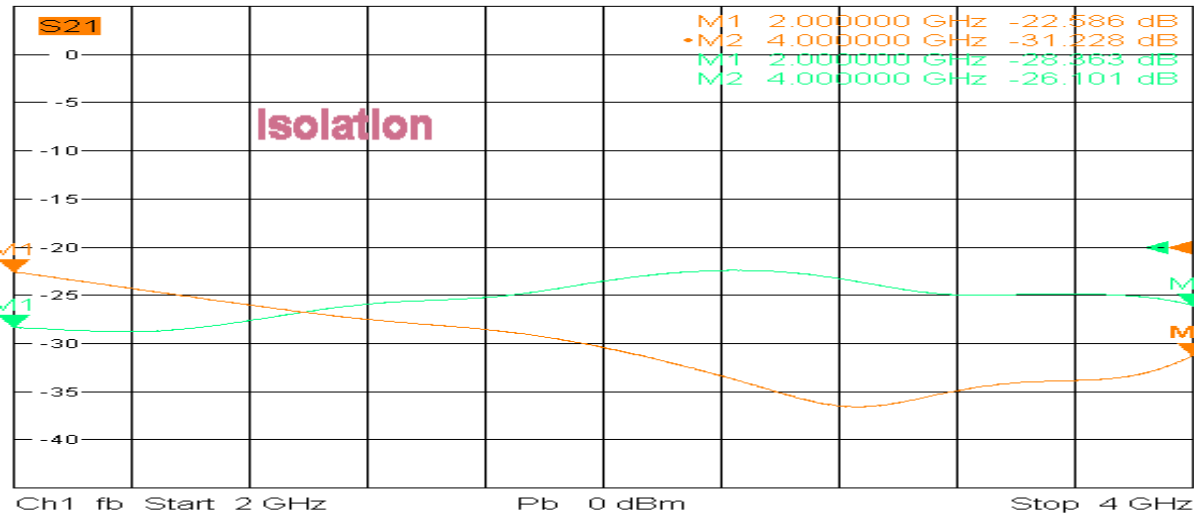


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2. Isolation



Trc3 **S21** dB Mag 5 dB / Ref -20 dB Cal 3 (Max)
 Mem7[Trc3] **S21** dB Mag 5 dB / Ref -20 dB



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