

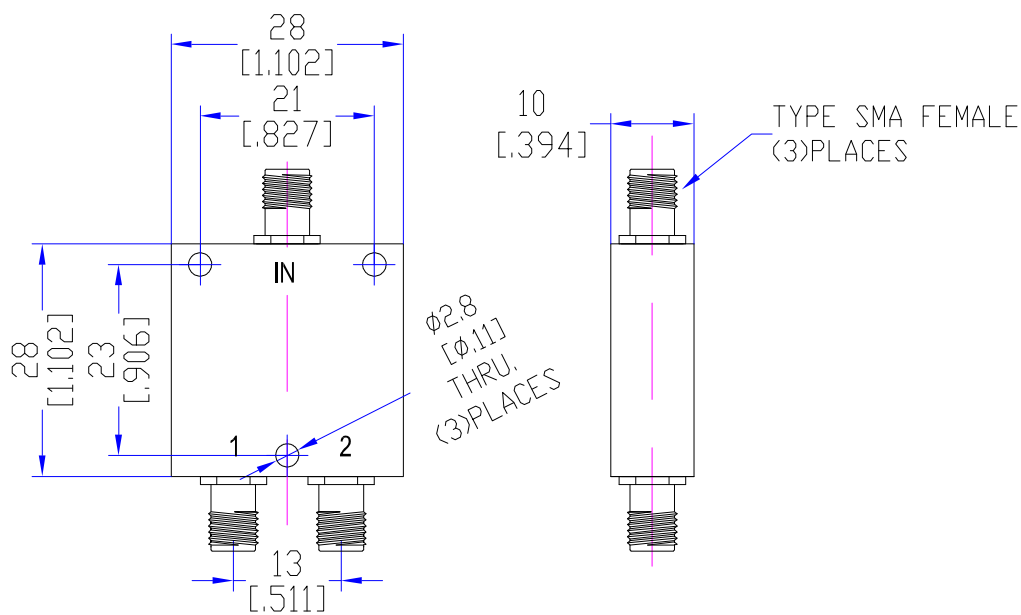
Model TPD1020A2A

Features

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

Technical Data Sheet			
Frequency Range	1~2GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤0.5dB (Above 3.01dB Split)	Connector Body	Brass, Tri-Alloy Plate
VSWR	Input ≤1.50:1 Output ≤1.80:1	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Isolation	≤15dB	Connector Pin	Beryllium Copper, Gold Plate
Amplitude Balance	≤±0.2dB	Solder	Lead Free, RoHS Compliant
Phase Balance	≤±2°	Operating Temperature	-55~+85°C
¹ Power Handling	Forward ≤20Watt; Reversed ≤1Watt	Operating Humidity	Up to 95%, Non-Condensing
Impedance	50Ω	Weight	25g
Port Connectors	SMA-Female		

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

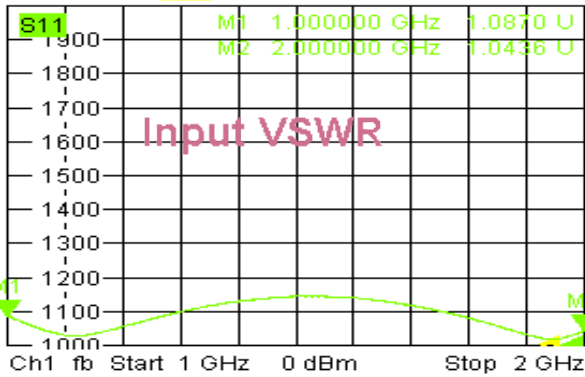


Typical Performance

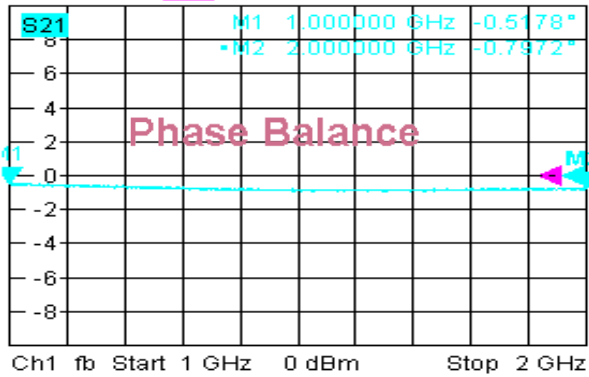
1. Insertion Loss, Amplitude &Phase Balance, VSWR



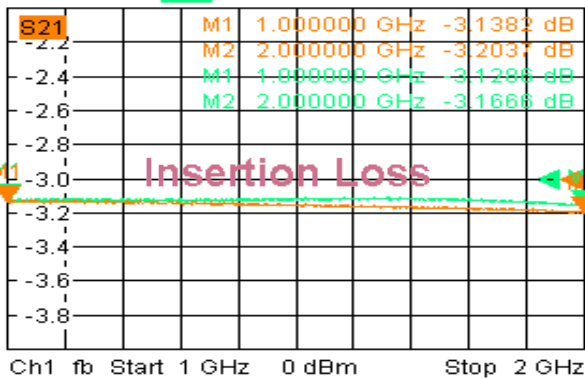
Trc1 Mem5[Trc1] **S11** SWR 100 mU/ Ref1 U Cal Invis



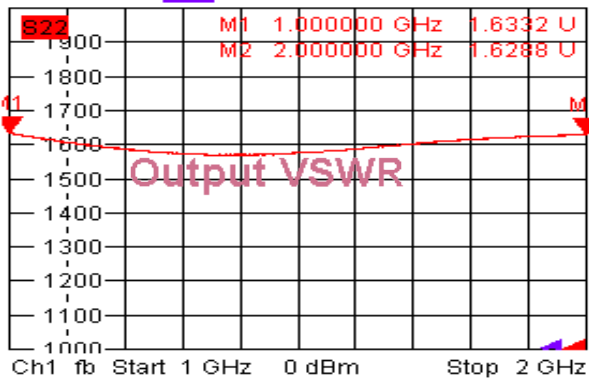
Trc2 Mem6[Trc2] **S21** Phase 2° / Ref0° Cal Math Invisible



Trc3 Mem7[Trc3] **S21** dB Mag 0.2 dB / Ref-3 dB C



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

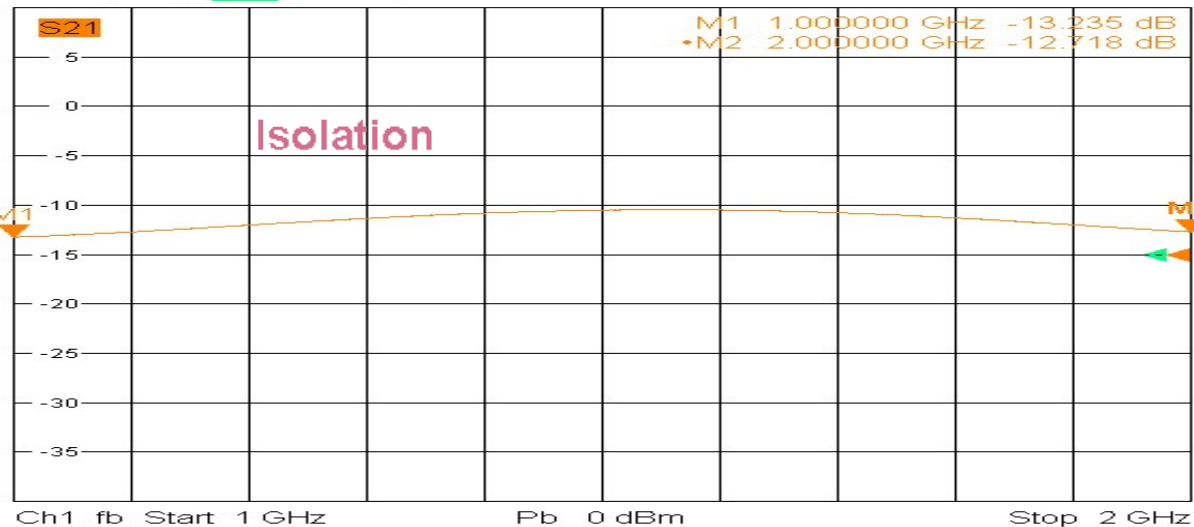


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2. Isolation



Trc3 Mem7[Trc3] **S21** dB Mag 5 dB / Ref-15 dB Cal Invisible 3 (Max)



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