

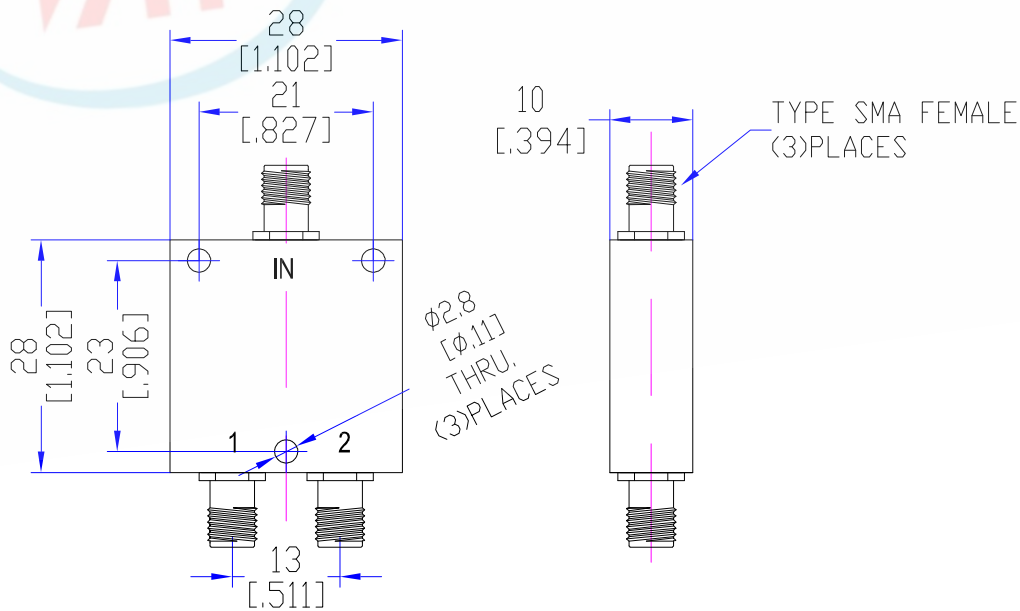
Model TPD2040A2

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	≤0.35dB (Above 3.01dB Split)	Connector Body	Brass, Tri-Alloy Plate
VSWR	Input ≤1.25:1 Output ≤1.20:1	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Isolation	≥20dB	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 ≤30Watt; Reversed ≤1Watt	Operating Humidity	Up to 95%, Non-Condensing
Impedance	50Ω	Weight	20g
Port Connectors	SMA-Female		

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

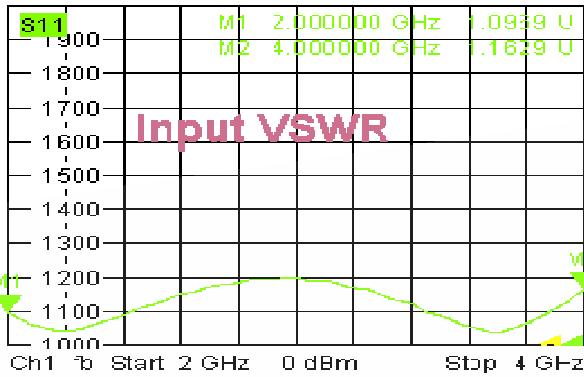


Typical Performance

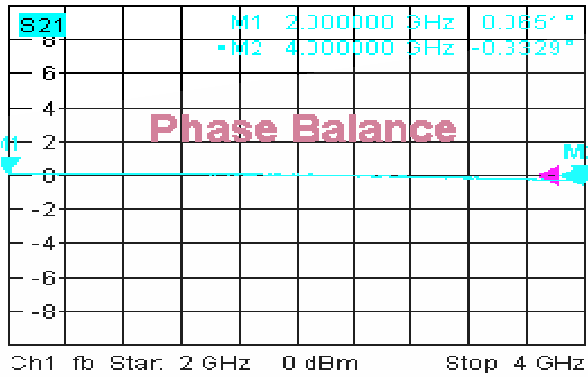
1. Insertion Loss, Amplitude & Phase Balance, VSWR



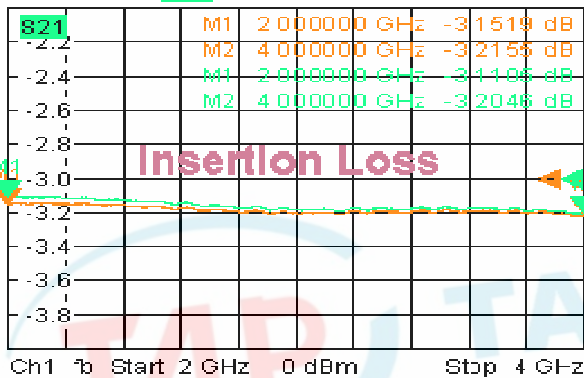
Trc1 **S11** SWR 100 mU / Ref: 1 U Cal
 Mem5[Trc1] **S21** SWR 100 mU / Ref: 1 U Invis



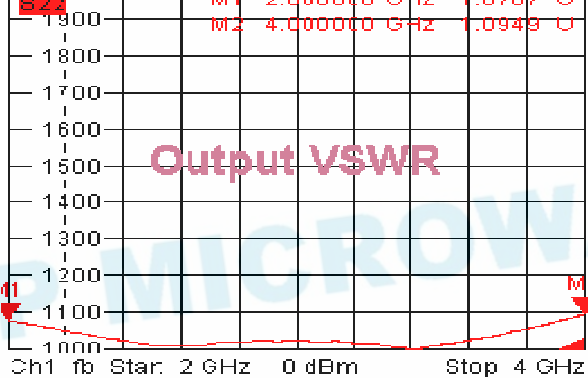
Trc2 **S21** Phase unwrap 2° / Ref: 0° C
 Mem6[Trc2] **S21** Phase unwrap 2° / Ref: 0° Ir



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



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

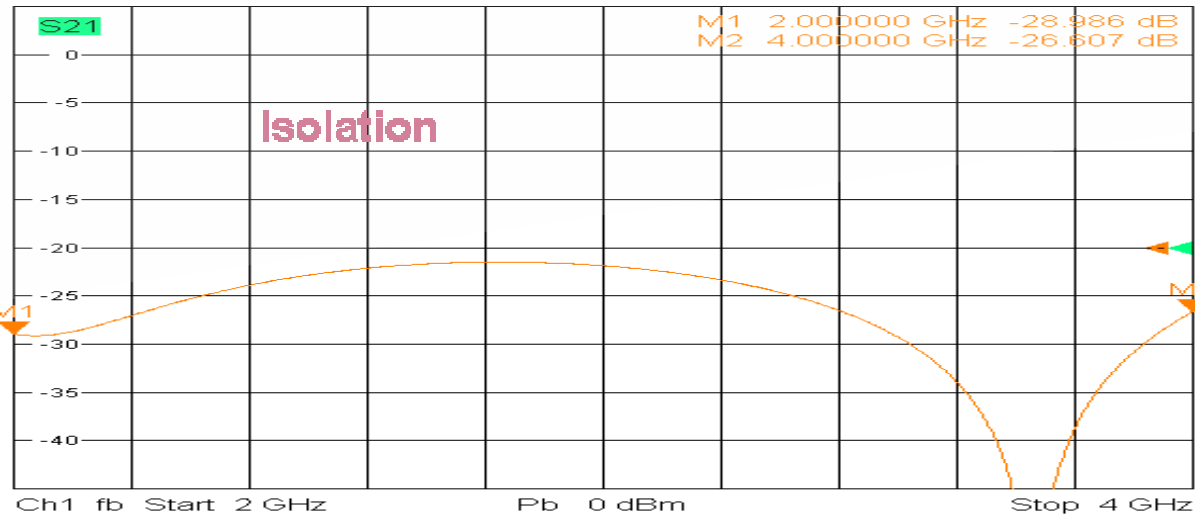


1/11/2019, 9:34 AM

2. Isolation



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



1/11/2019, 9:40 AM

