

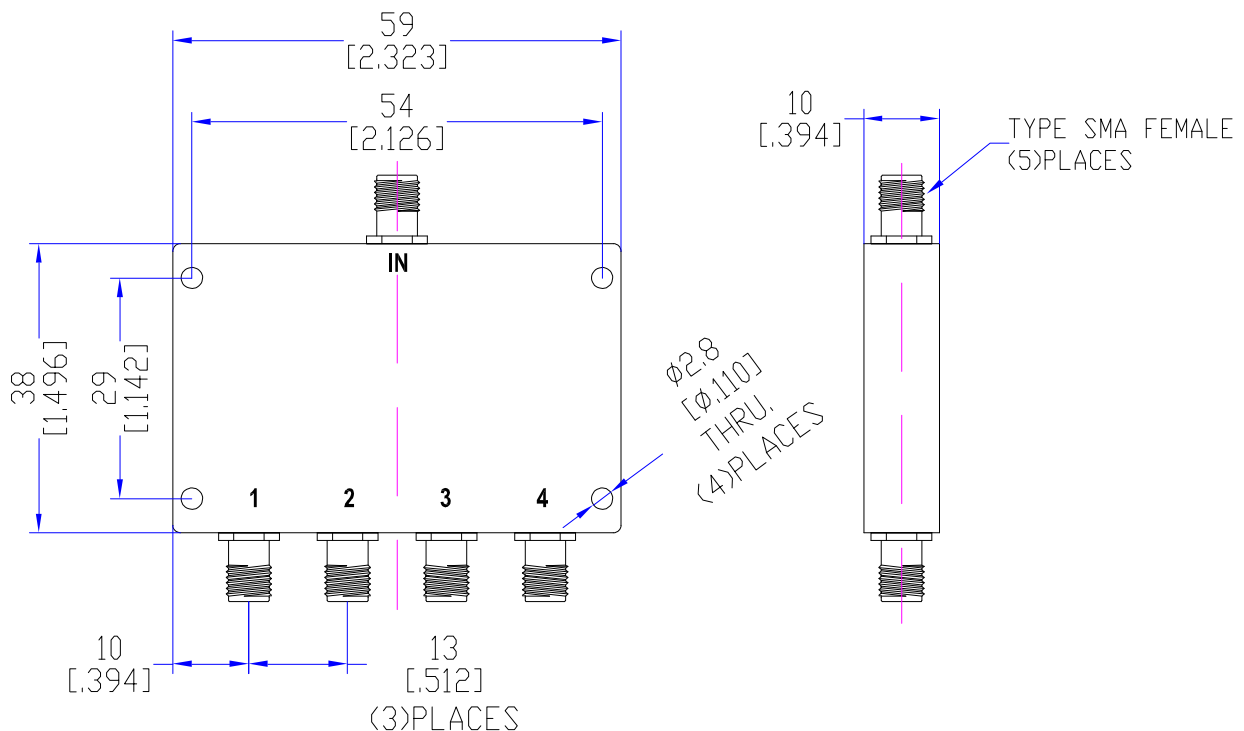
Model TPD2040A4C

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	≤0.6dB (Above 6.02dB Split)	Connector Body	Brass, Tri-Alloy Plate
VSWR	Input ≤1.30:1 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	≤±3°	Operating Temperature	-55~+85°C
¹ Power Handling	Forward ≤30Watt; Reversed ≤1Watt	Operating Humidity	Up to 95%, Non-Condensing
Impedance	50Ω	Weight	55g
Port Connectors	SMA-Female		

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

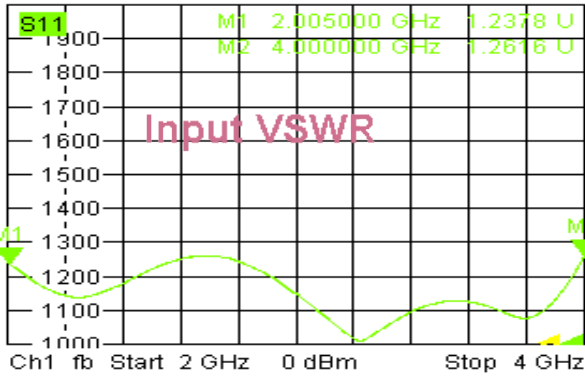


Typical Performance

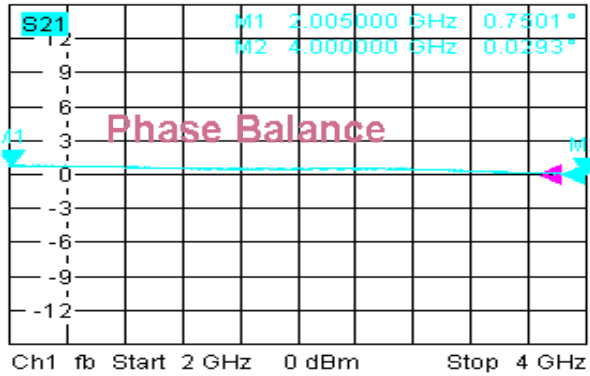
1. Insertion Loss, Amplitude &Phase Balance, VSWR



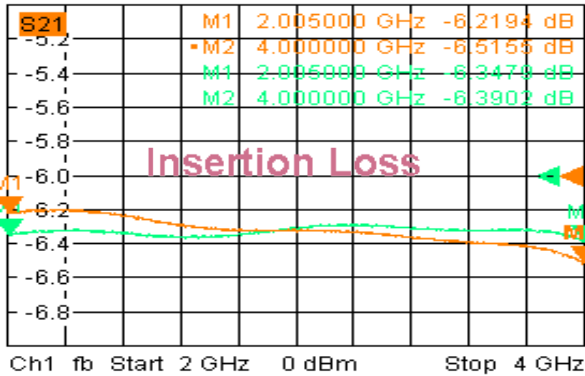
Trc1 Mem5[Trc1] S11 SWR 100 mU/ Ref 1 U Cal Invis



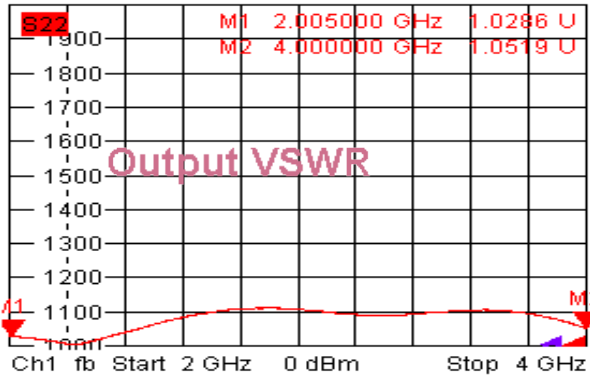
Trc2 Mem6[Trc2] S21 Phase 3° / Ref 0° Cal Math Invisible



Trc3 Mem7[Trc3] S21 dB Mag 0.2 dB / Ref -6 dB C S21 dB Mag 0.2 dB / Ref -6 dB



Trc4 Mem8[Trc4] S22 SWR 100 mU/ Ref 1 U Cal S22 SWR 100 mU/ Ref 1 U Invis

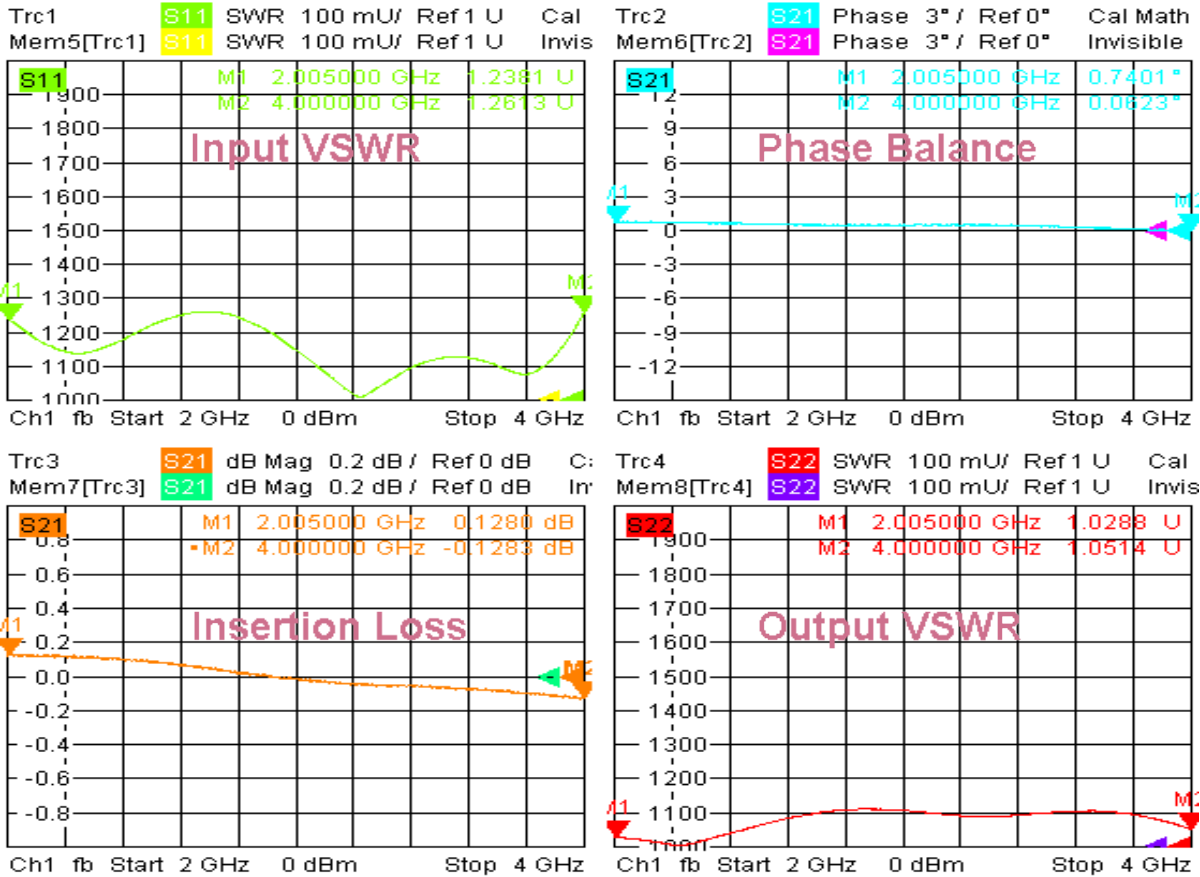


3/29/2021, 4:21 PM



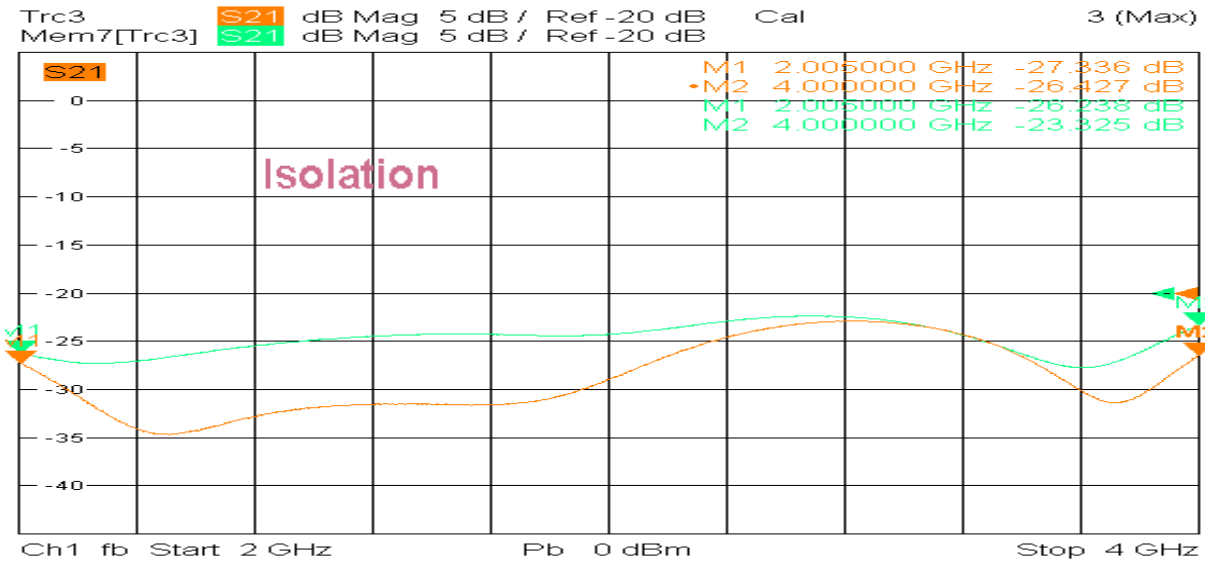
Typical Performance

2. Insertion Loss, Amplitude &Phase Balance, VSW



3/29/2021, 4:20 PM

3. Isolation



3/29/2021, 4:24 PM

