

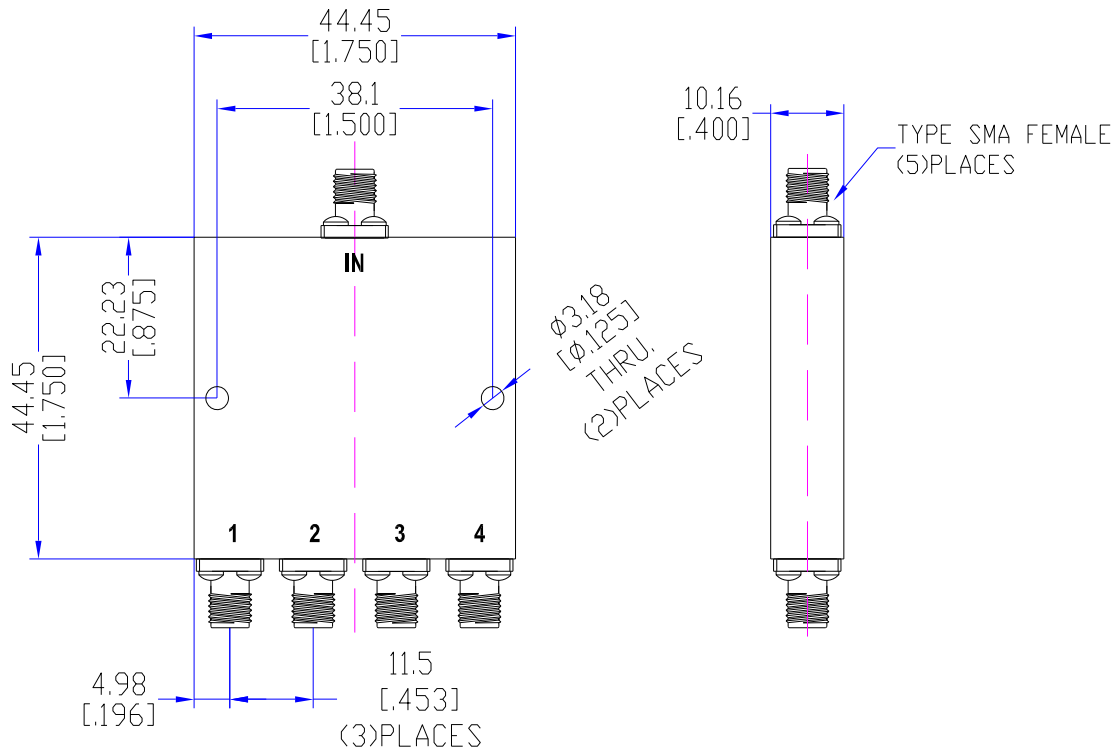
Model TPD20180A4D

Features

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

Technical Data Sheet			
Frequency Range	2~18GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤2.0dB (Above 6.02dB Split)	Connector Body	Passivated Stainless Steel
VSWR	Input ≤1.65:1 Output ≤1.50:1	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Isolation	≥16dB	Connector Pin	Beryllium Copper, Gold Plate
Amplitude Balance	≤0.5dB	Solder	Lead Free, RoHS Compliant
Phase Balance	≤12°	Operating Temperature	-55~+85°C
¹ Power Handling	Forward ≤10Watt; Reversed ≤1Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	70g
Port Connectors	SMA-Female		

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

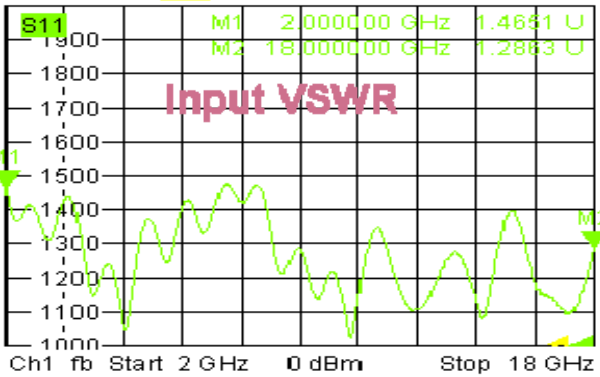


Typical Performance

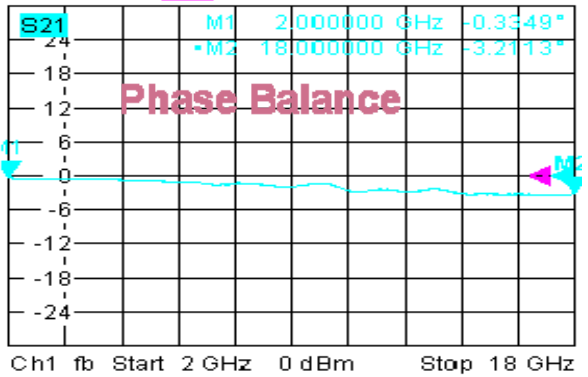
1. Insertion Loss, Amplitude &Phase Balance, VSWR



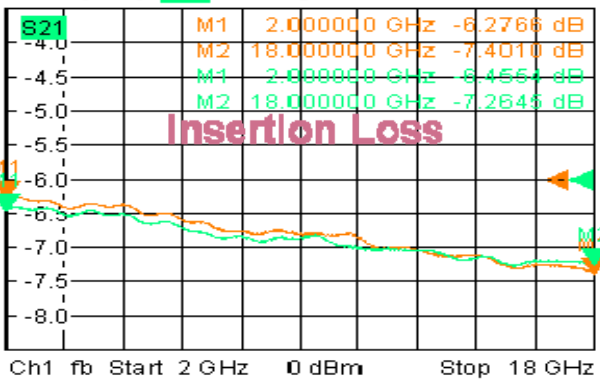
Trc1 Mem5[Trc1] S11 SWR 100 mU/ Ref 1 U Cal Invisi



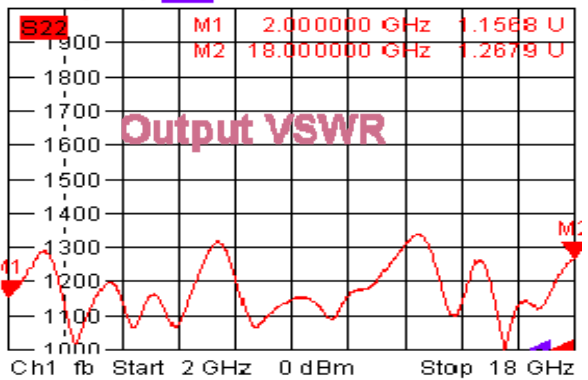
Trc2 Mem6[Trc2] S21 Phase 6° / Ref 0° Cal Math Invisible



Trc3 Mem7[Trc3] S21 dB Mag 0.5 dB / Ref -6 dB Cal



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

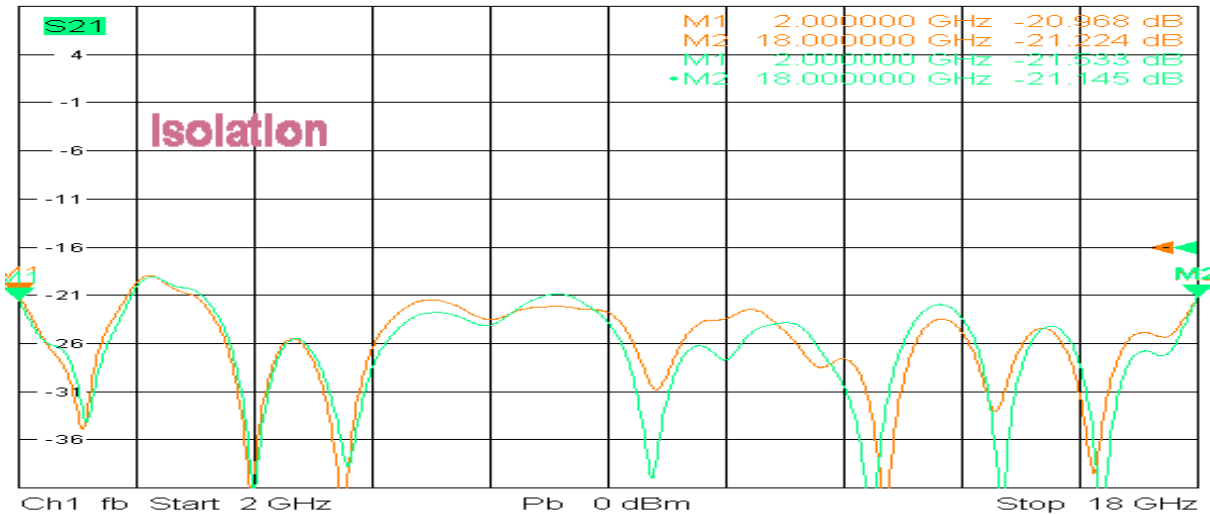


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2. Isolation



Trc3 Mem7[Trc3] S21 dB Mag 5 dB / Ref -16 dB Cal 3 (Max)



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