

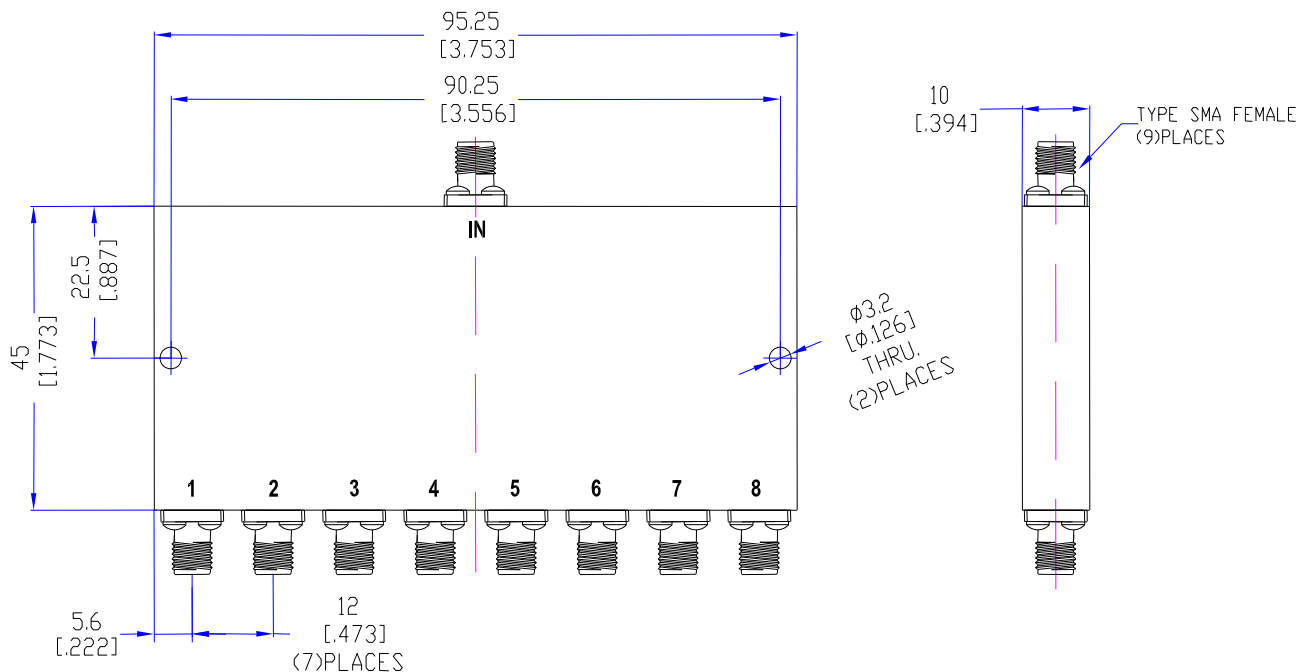
Model TPD80120A8

Features

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

Technical Data Sheet			
Frequency Range	8~12GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤1.10dB (Above 9.03dB Split)	Connector Body	Passivated Stainless Steel
VSWR	Input ≤1.60:1 Output ≤1.40:1	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Isolation	≥18dB	Connector Pin	Beryllium Copper, Gold Plate
Amplitude Balance	≤±0.4dB	Solder	Lead Free, RoHS Compliant
Phase Balance	≤±6°	Operating Temperature	-55~+85°C
¹ Power Handling	Forward ≤30Watt; Reversed ≤1Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	130g
Port Connectors	SMA-Female		

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

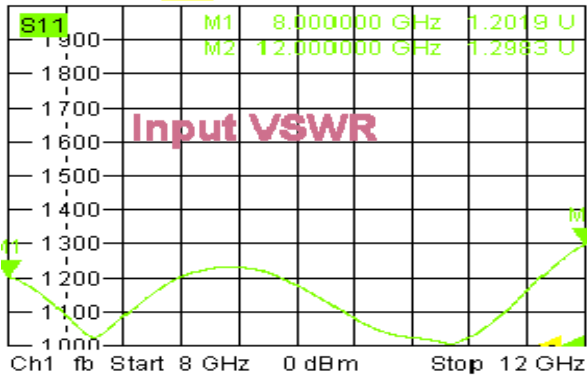


Typical Performance

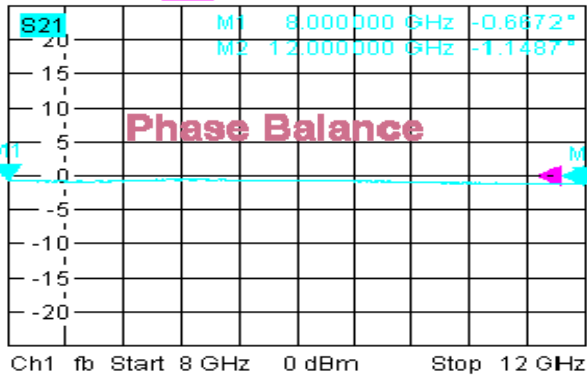
1. Insertion Loss, Amplitude &Phase Balance, VSWR



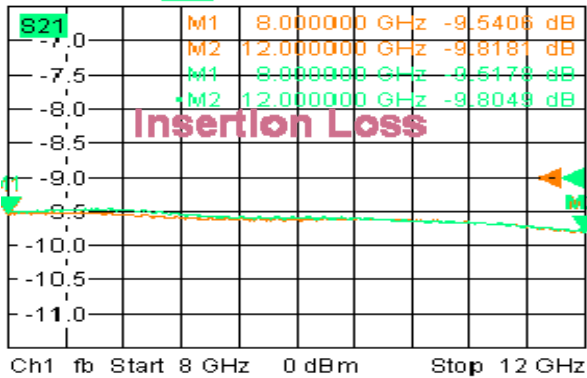
Trc1 Mem5[Trc1] S11 SWR 100 mU/ Ref 1 U Cal Invis



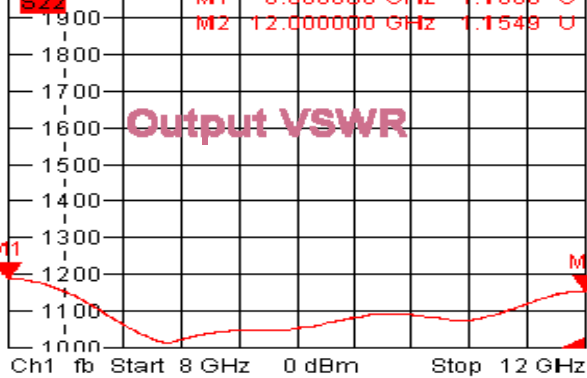
Trc2 Mem6[Trc2] S21 Phase 5° / Ref 0° Cal Math Invisible



Trc3 Mem7[Trc3] S21 dB Mag 0.5 dB / Ref -9 dB C



Trc4 S22 SWR 100 mU/ Ref 1 U Cal 4

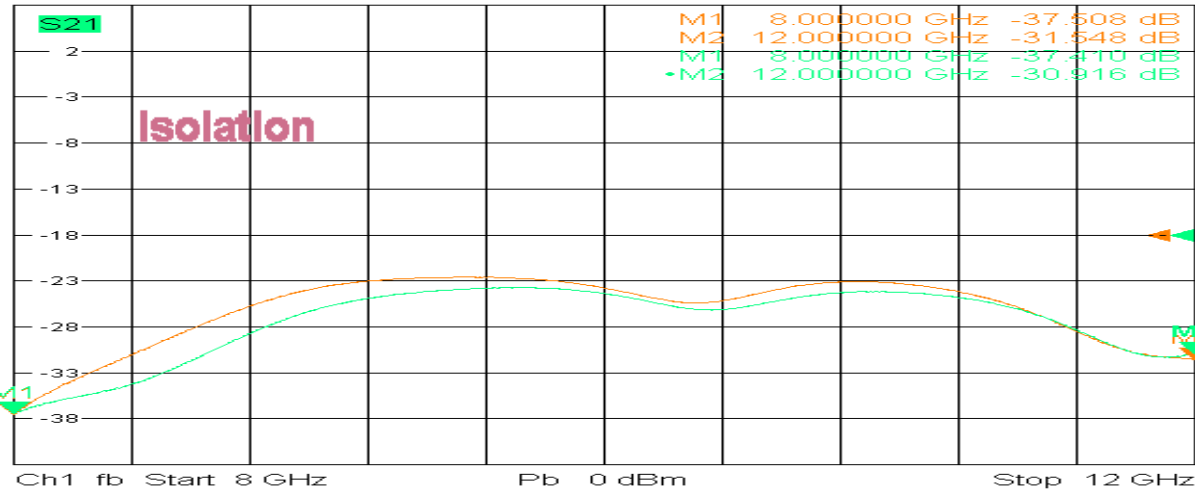


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2. Isolation



Trc3 Mem7[Trc3] S21 dB Mag 5 dB / Ref -18 dB Cal 3 (Max)



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