

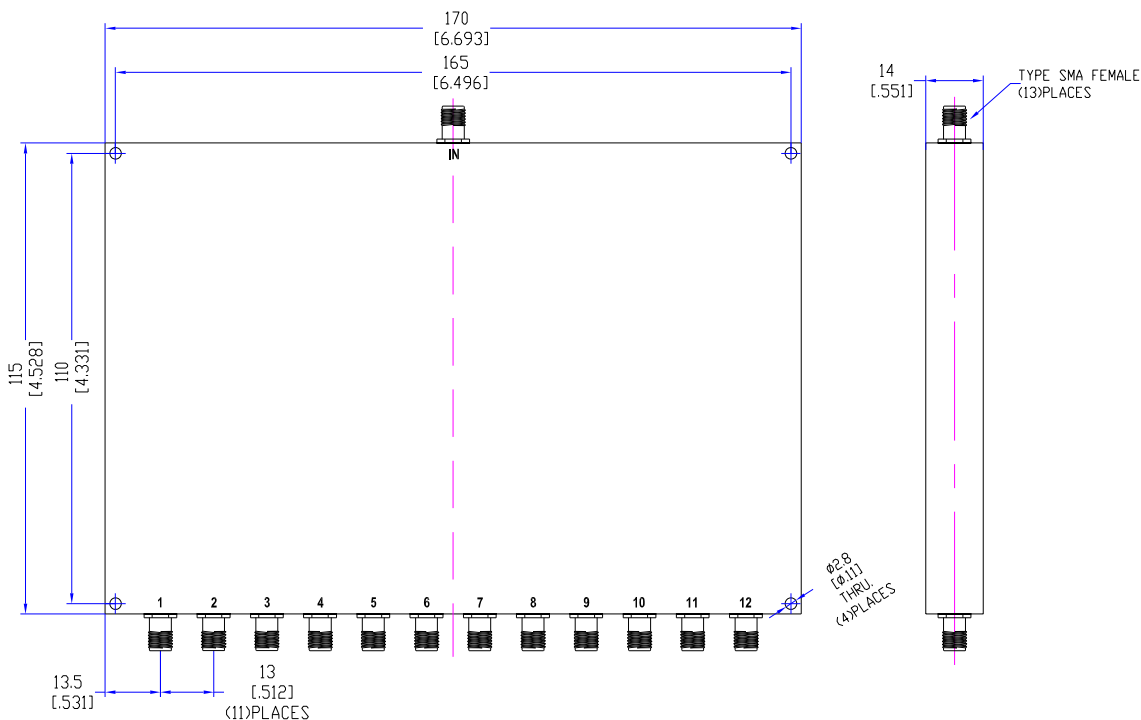
Model TPD0727A12

Features

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

Technical Data Sheet			
Frequency Range	0.7~2.7GHz	Finish	Natural oxygen
Insertion Loss	≤1.8dB (Above 10.79dB Split)	Connector Body	Brass, Tri-Alloy Plate
VSWR	Input ≤1.50:1 Output ≤1.30:1	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Isolation	≥18dB	Connector Pin	Beryllium Copper, Gold Plate
Amplitude Balance	≤±0.5dB	Solder	Lead Free, RoHS Compliant
Phase Balance	≤±5°	Operating Temperature	-55~+85°C
¹ Power Handling	Forward ≤30Watt; Reversed ≤1Watt	Operating Humidity	Up to 95%, Non-Condensing
Impedance	50Ω	Weight	220g
Port Connectors	SMA-Female		

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

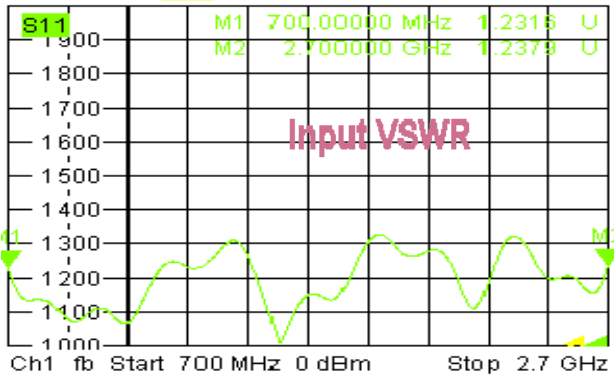


Typical Performance

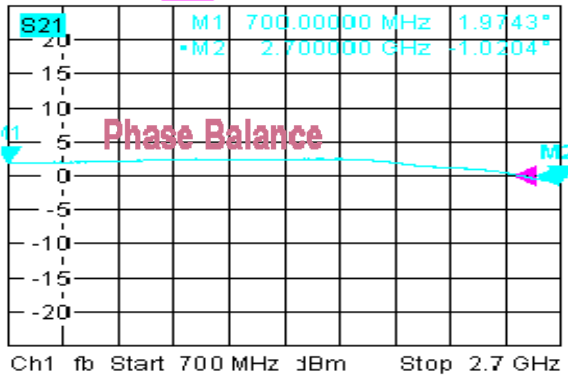
1. Insertion Loss, Amplitude &Phase Balance, VSWR



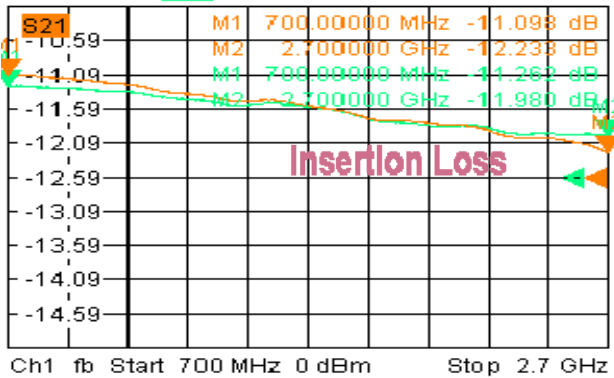
Trc1 Mem5[Trc1] S11 SWR 100 mU/ Ref1 U Cal
S11 SWR 100 mU/ Ref1 U Invisib



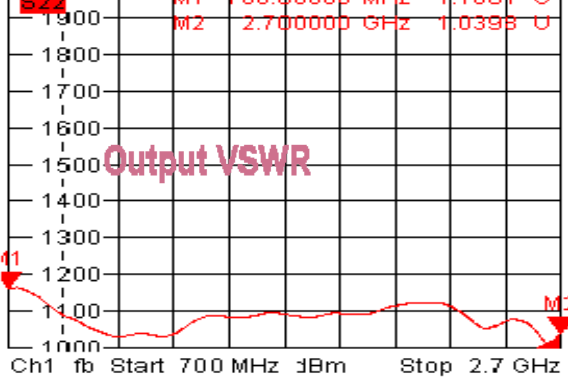
Trc2 Mem6[Trc2] S21 Phase 5° / Ref0° Cal Mat
S21 Phase 5° / Ref0° Invisibl



Trc3 Mem7[Trc3] S21 dB Mag 0.5 dB / Ref -12.59 dB
S21 dB Mag 0.5 dB / Ref -12.59 dB



Trc4 S22 SWR 100 mU/ Ref1 U Cal 4

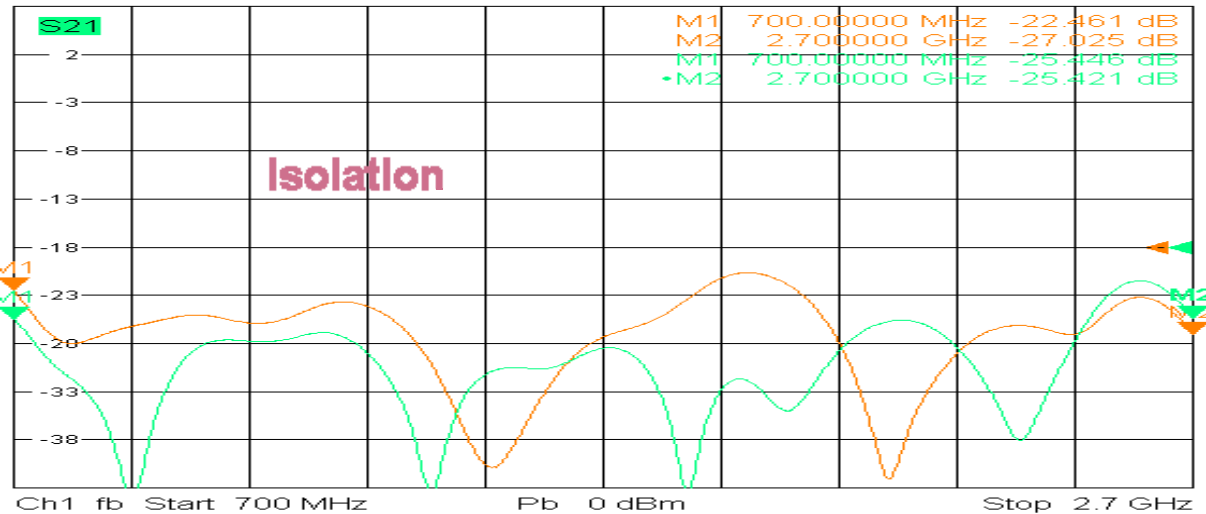


10/19/2018, 9:50 AM

2. Isolation



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



10/20/2018, 10:59 AM

