

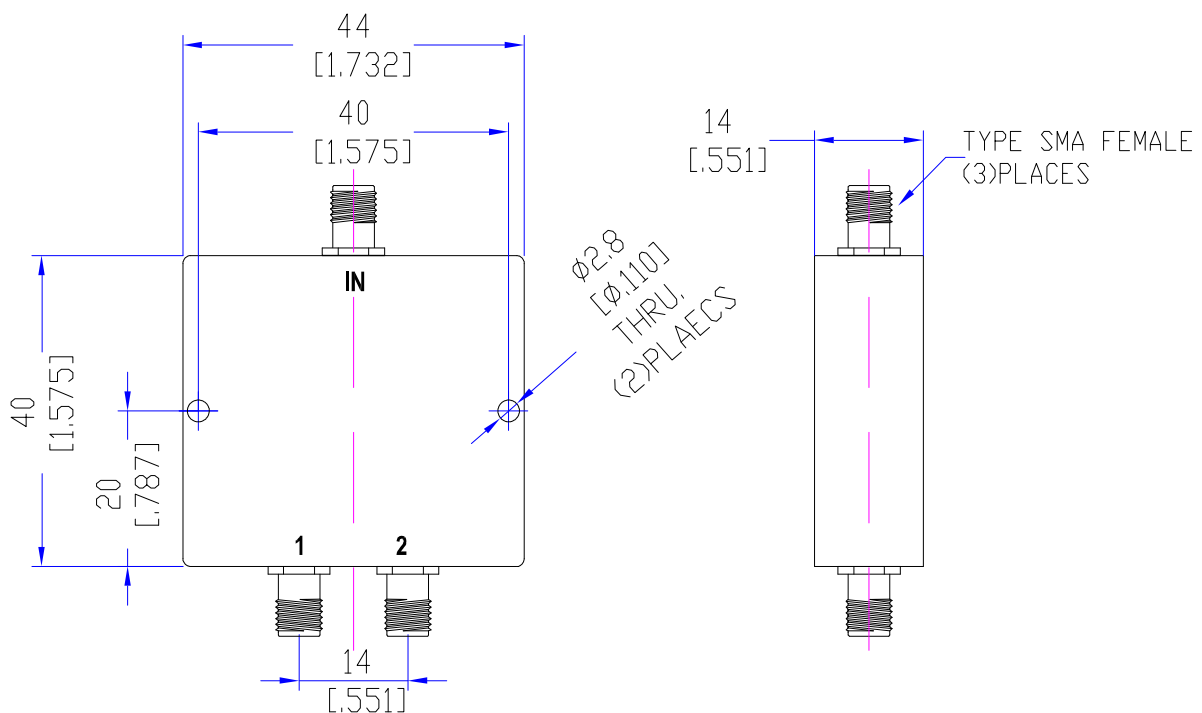
Model TPD0836A2

Features

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

Technical Data Sheet			
Frequency Range	0.8~3.6GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤0.6dB (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	≥22dB	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.

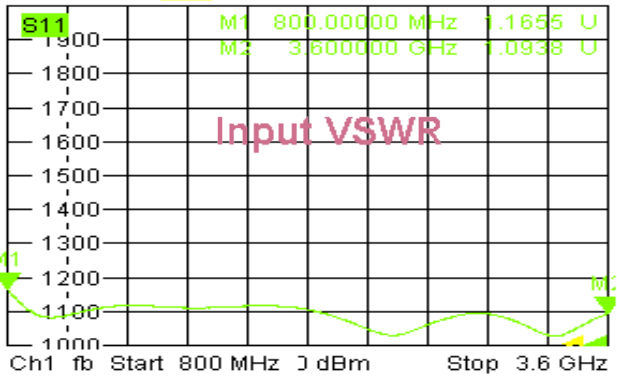


Typical Performance

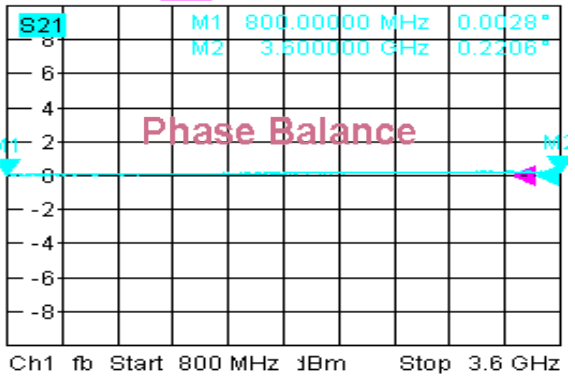
1. Insertion Loss, Amplitude &Phase Balance, VSWR



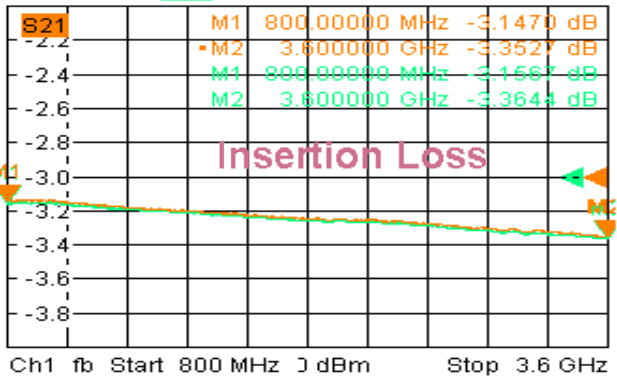
Trc1 Mem5[Trc1] **S11** SWR 100 mU/ Ref 1 U Cal
S21 SWR 100 mU/ Ref 1 U Invisib



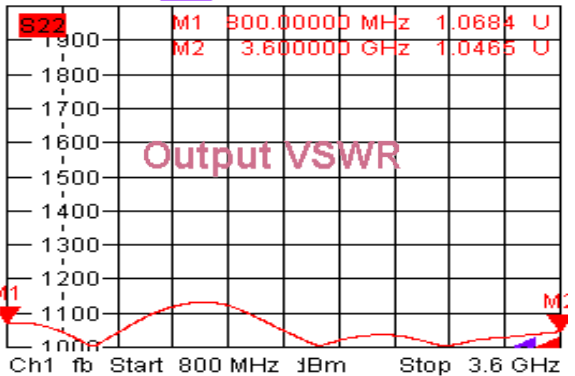
Trc2 Mem6[Trc2] **S21** Phase 2° / Ref 0° Cal Mat
S21 Phase 2° / Ref 0° Invisib



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



Trc4 Mem8[Trc4] **S22** SWR 100 mU/ Ref 1 U Ca
S22 SWR 100 mU/ Ref 1 U In

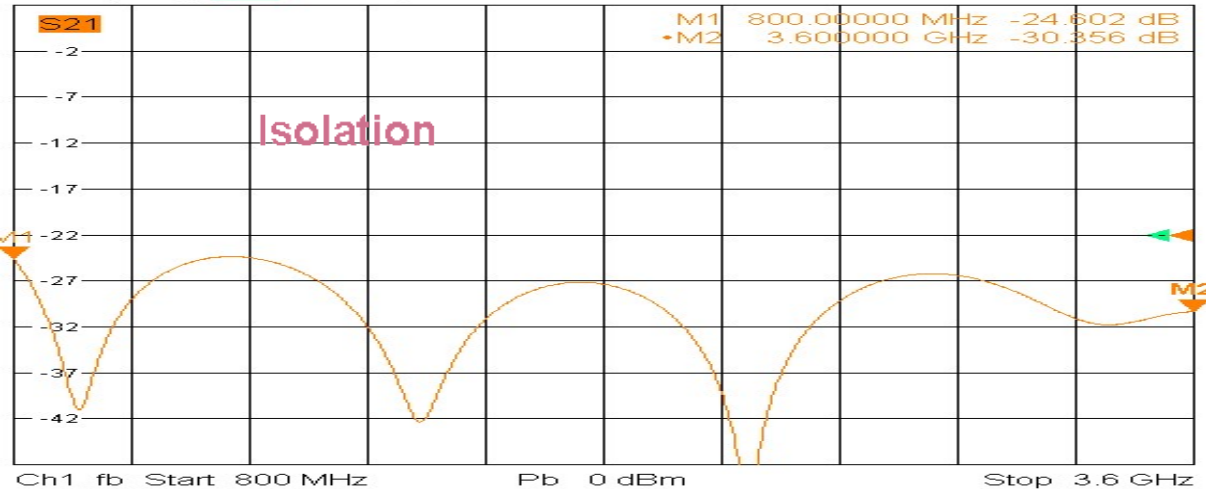


5/7/2020, 11:06 PM

2. Isolation



Trc3 Mem7[Trc3] **S21** dB Mag 5 dB / Ref -22 dB Cal Invisible 3 (Max)
S21 dB Mag 5 dB / Ref -22 dB



5/8/2020, 12:00 AM

