

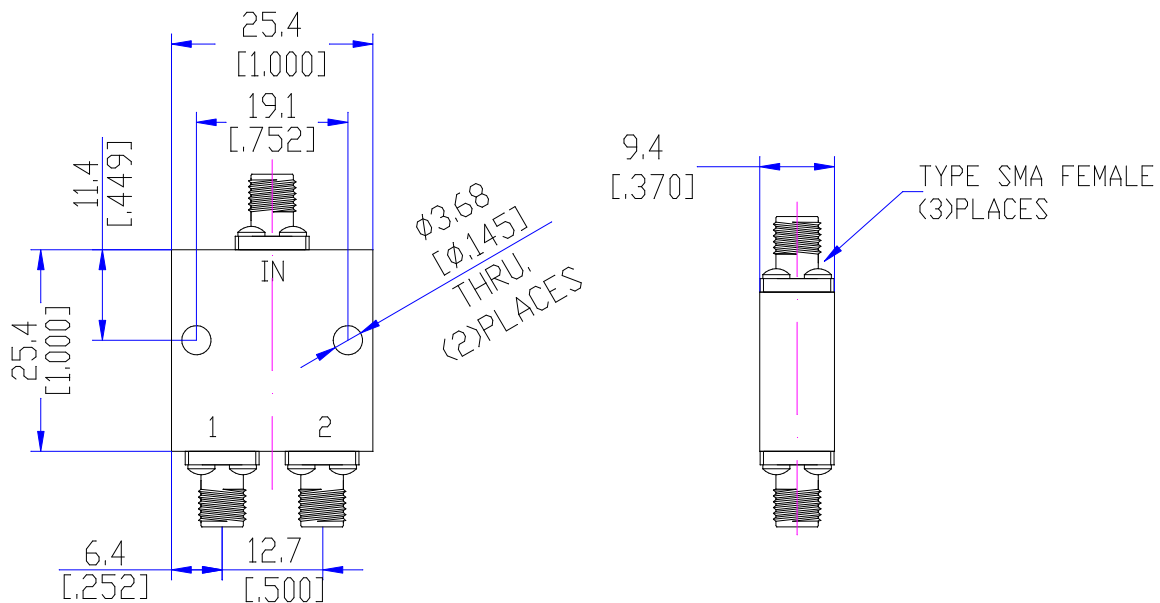
## Model TPD4080A2B

### Features

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

Technical Data Sheet			
Frequency Range	4~8GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤0.5dB (Above 3.01dB Split)	Connector Body	Passivated Stainless Steel
VSWR	Input ≤1.25:1 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	≤±2°	Operating Temperature	-55~+85°C
<sup>1</sup> Power Handling	Forward ≤30Watt; Reversed ≤1Watt	Operating Humidity	Up to 95%, Non-Condensing
Impedance	50Ω	Weight	30g
Port Connectors	SMA-Female		

<sup>1</sup>Power Handling guaranteed when load's VSWR within 1.50:1.

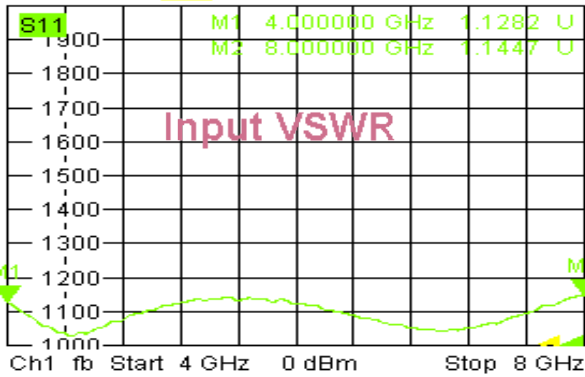


## Typical Performance

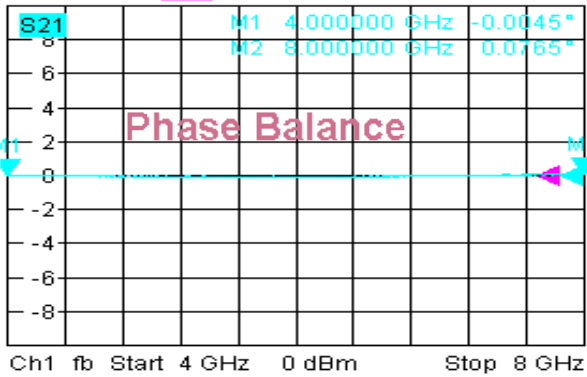
### 1. Insertion Loss, Amplitude &Phase Balance, VSWR



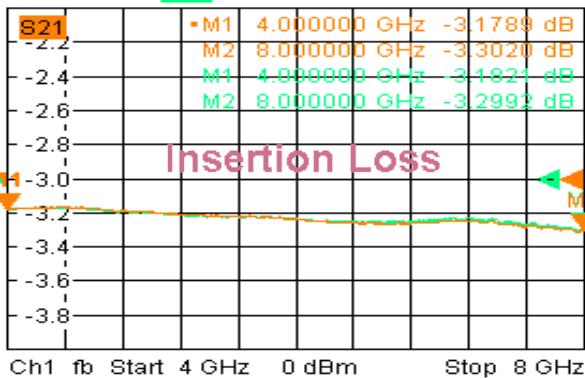
Trc1 Mem5[Trc1] **S11** SWR 100 mU/ Ref1 U Cal Invis



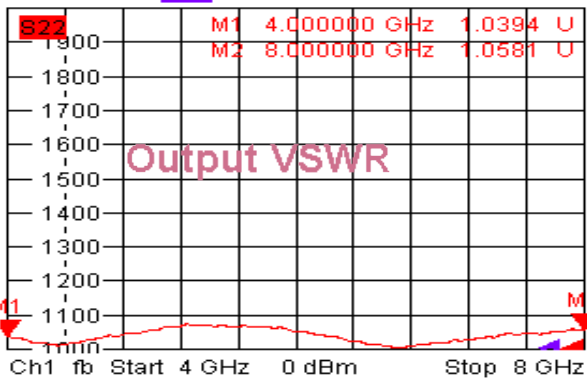
Trc2 Mem6[Trc2] **S21** Phase 2° / Ref0° Cal Math Invisible



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



Trc4 Mem8[Trc4] **S22** SWR 100 mU/ Ref1 U Cal Invisible

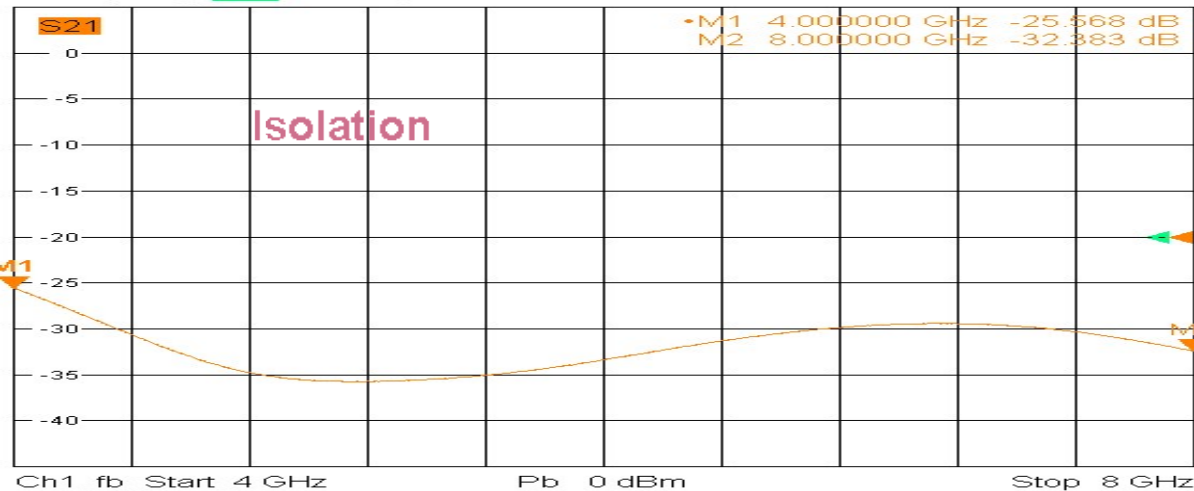


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### 2. Isolation



Trc3 Mem7[Trc3] **S21** dB Mag 5 dB / Ref -20 dB Cal Invisible 3 (Max)



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