

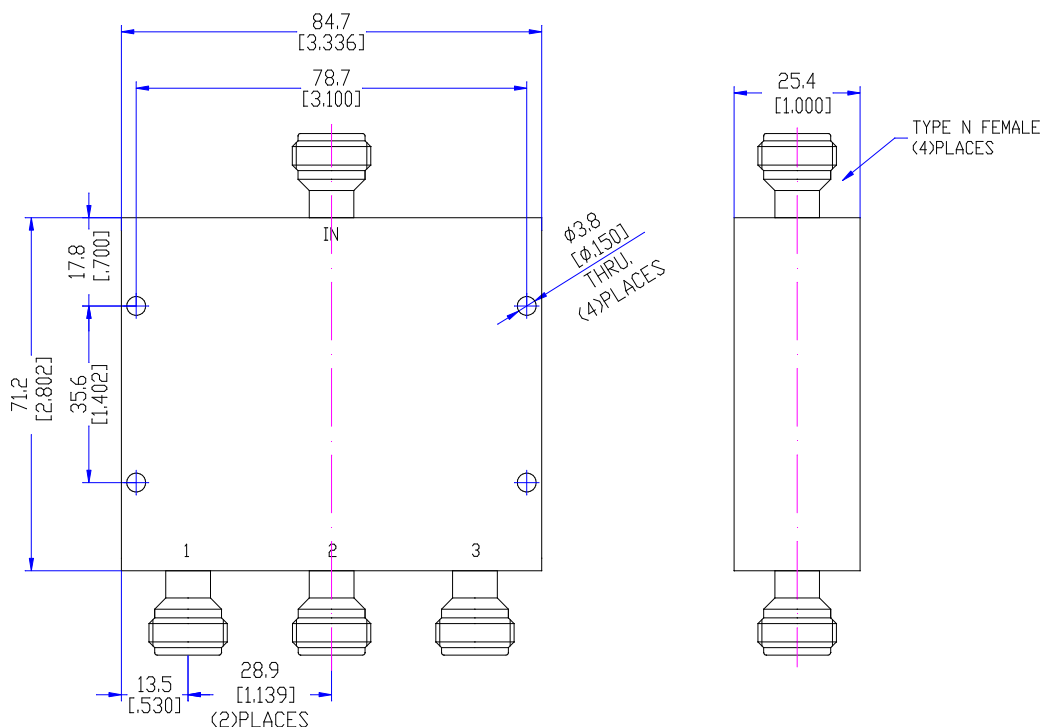
## Model TPD1040N3S

### Features

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

Technical Data Sheet			
Frequency Range	1~4GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤1.0dB (Above 4.78dB Split)	Connector Body	Passivated Stainless Steel
VSWR	Input ≤1.50:1 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	≤±5°	Operating Temperature	-55~+85°C
<sup>1</sup> Power Handling	Forward ≤30Watt; Reversed ≤1Watt	Operating Humidity	Up to 95%, Non-Condensing
Impedance	50Ω	Waterproof specs	IP65
Port Connectors	N-Female	Correspondence for salt damage	Performance guarantee in salt spray test

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

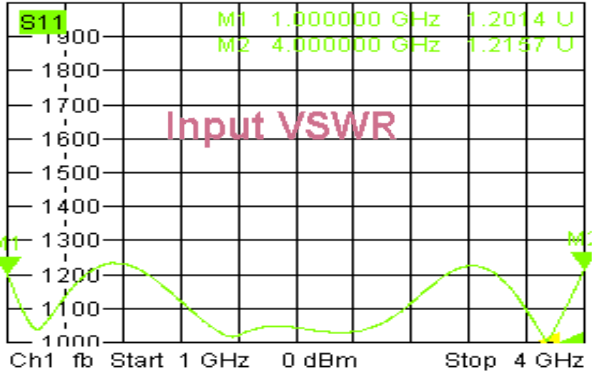


## Typical Performance

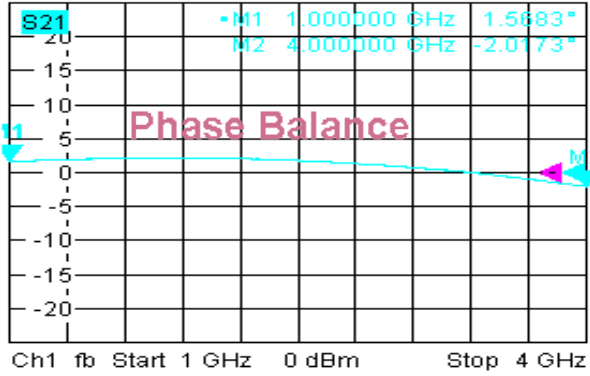
### 1. Insertion Loss, Amplitude &Phase Balance, VSWR



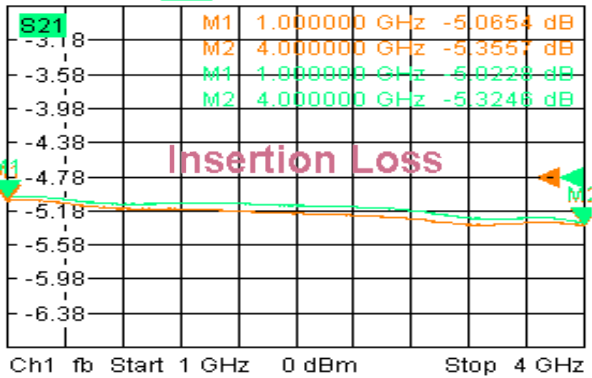
Trc1 Mem5[Trc1] **S11** SWR 100 mU/ Ref1 U Cal Invis



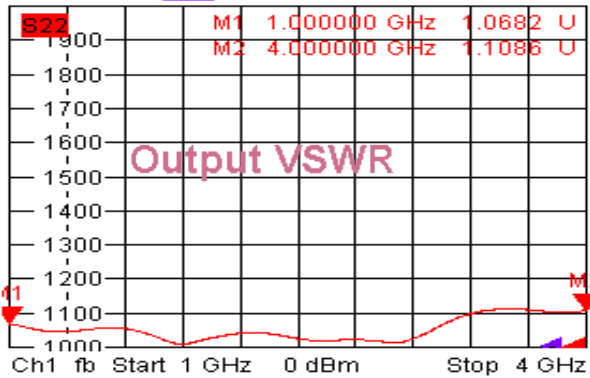
Trc2 Mem6[Trc2] **S21** Phase 5° / Ref0° Cal Math Invisible



Trc3 Mem7[Trc3] **S21** dB Mag 0.4 dB / Ref-4.78 dB



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

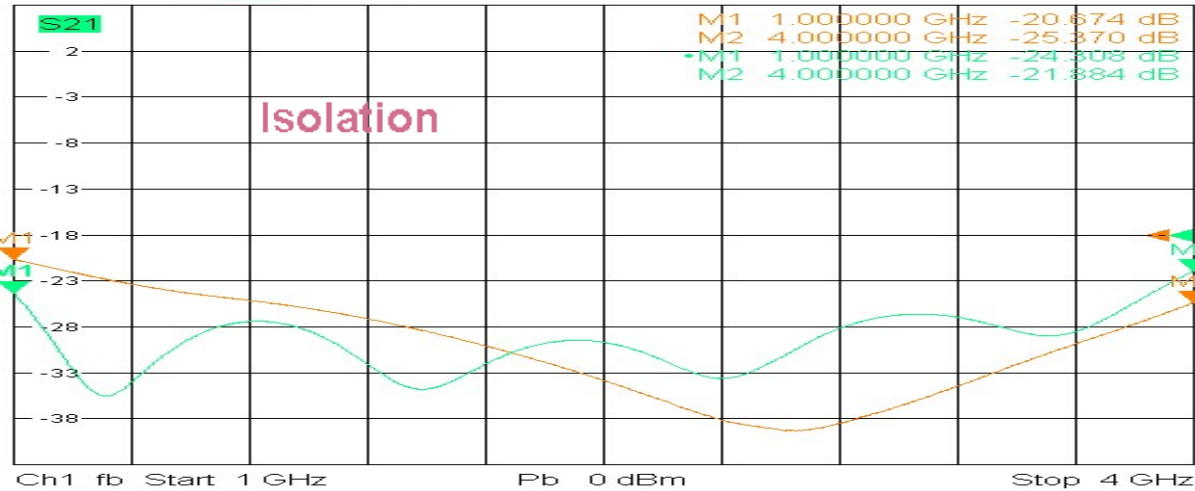


6/8/2020, 10:12 AM

### 2. Isolation



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



6/8/2020, 10:27 AM

