

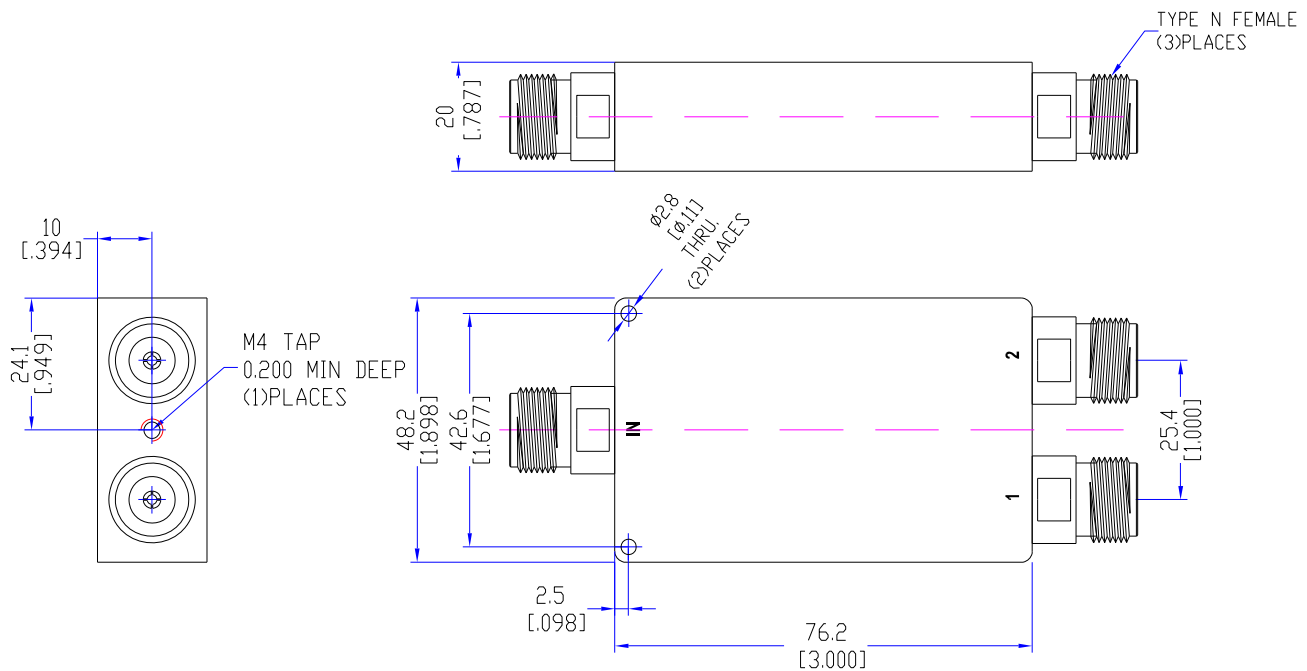
## Model TPD0640N2B

### Features

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

Technical Data Sheet			
Frequency Range	0.6~4.0GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤0.8dB (Above 3.01dB Split)	Connector Body	Brass, Tri-Alloy Plate
VSWR	Input ≤1.40:1 Output ≤1.30:1	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Isolation	≥18dB	Connector Pin	Beryllium Copper, Gold Plate
Amplitude Balance	≤±0.3dB	Solder	Lead Free, RoHS Compliant
Phase Balance	≤±3°	Operating Temperature	-55~+85°C
<sup>1</sup> Power Handling	Forward ≤30Watt; Reversed ≤1Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	200g
Port Connectors	N-Female		

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

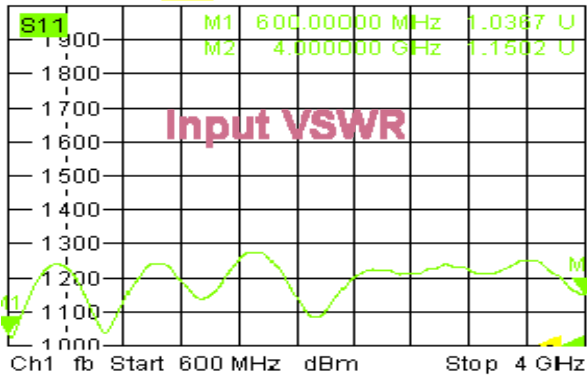


## Typical Performance

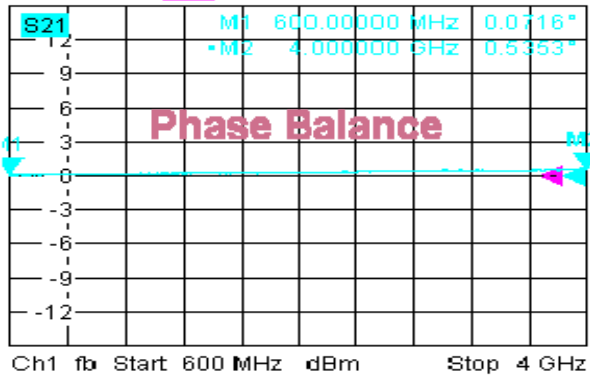
### 1. Insertion Loss, Amplitude & Phase Balance, VSWR



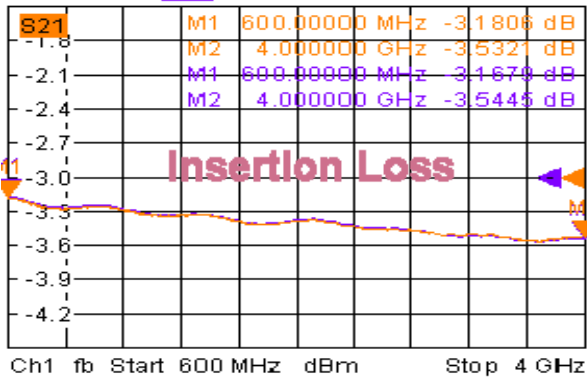
Trc1 Mem5[Trc1] S11 SWR 100 mU/ Ref1 U Cal Invis



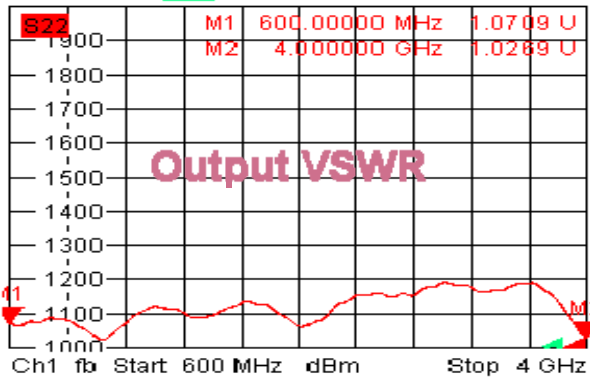
Trc2 Mem6[Trc2] S21 Phase 3° / Ref0° Cal Math Invisible



Trc3 Mem8[Trc3] S21 dB Mag 0.3 dB / Ref -3 dB Cal



Trc4 Mem7[Trc4] S22 SWR 100 mU/ Ref1 U Cal Invis

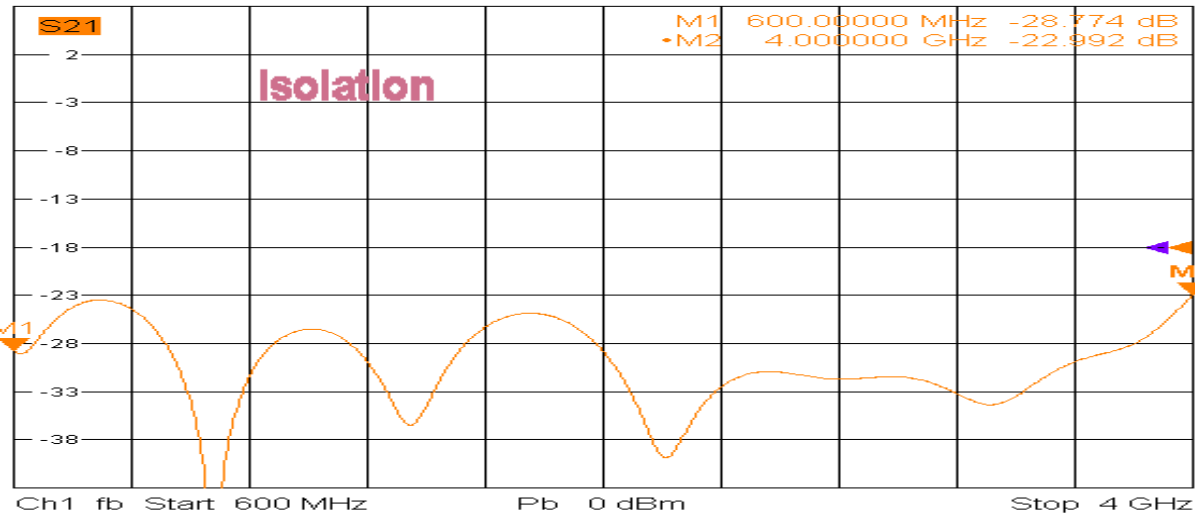


5/9/2019, 1:54 AM

### 2. Insertion Loss



Trc3 Mem8[Trc3] S21 dB Mag 5 dB / Ref -18 dB Cal Invisible 3 (Max)



5/9/2019, 2:09 AM

