

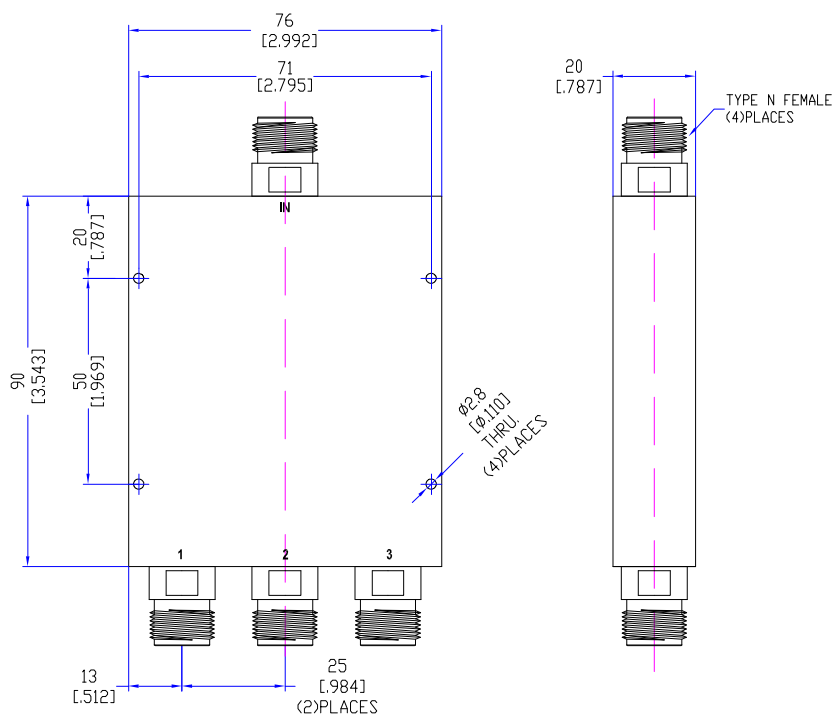
## Model TPD0740N3

### Features

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

Technical Data Sheet			
Frequency Range	0.7~4.0GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤1.2dB (Above 4.77dB Split)	Connector Body	Brass, Tri-Alloy Plate
VSWR	Input ≤1.50:1 Output ≤1.40:1	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Isolation	≥17dB	Connector Pin	Beryllium Copper, Gold Plate
Amplitude Balance	≤±0.6dB	Solder	Lead Free, RoHS Compliant
Phase Balance	≤±6°	Operating Temperature	-25~+85°C
<sup>1</sup> Power Handling	Forward ≤30Watt; Rev. ≤2Watt each port	Operating Humidity	Up to 95%, Non-Condensing
Impedance	50Ω	Weight	380g
Port Connectors	N-Female		

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

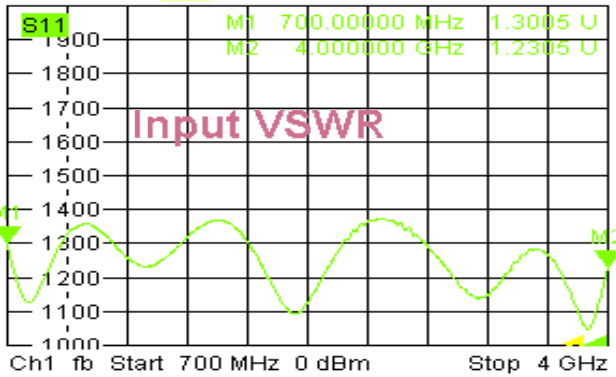


## Typical Performance

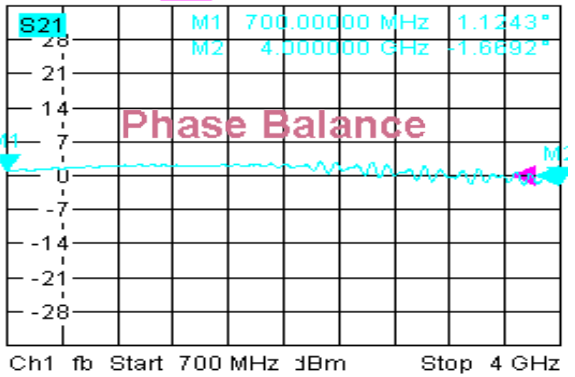
### 1. Insertion Loss, Amplitude &Phase Balance, VSWR



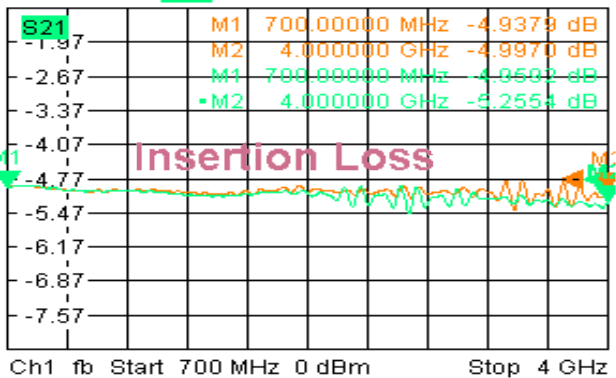
Trc1 **S11** SWR 100 mU/ Ref 1 U Cal  
Mem5[Trc1] **S11** SWR 100 mU/ Ref 1 U Invisib



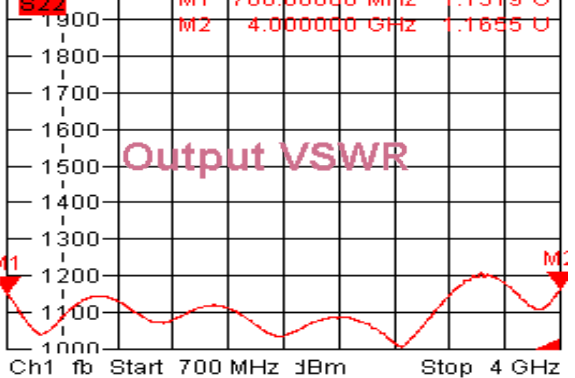
Trc2 **S21** Phase 7° / Ref 0° Cal Mat  
Mem6[Trc2] **S21** Phase 7° / Ref 0° Invisibl



Trc3 **S21** dB Mag 0.7 dB / Ref -4.77 dB  
Mem7[Trc3] **S21** dB Mag 0.7 dB / Ref -4.77 dB



Trc4 **S22** SWR 100 mU/ Ref 1 U Cal 4

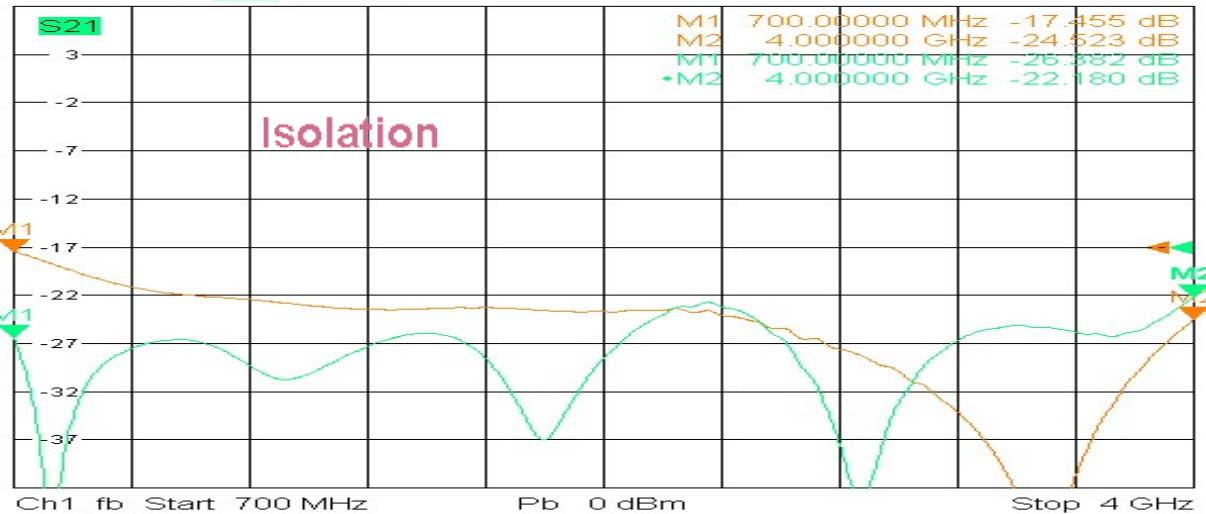


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### 2. Isolation



Trc3 **S21** dB Mag 5 dB / Ref -17 dB Cal  
Mem7[Trc3] **S21** dB Mag 5 dB / Ref -17 dB 3 (Max)



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