

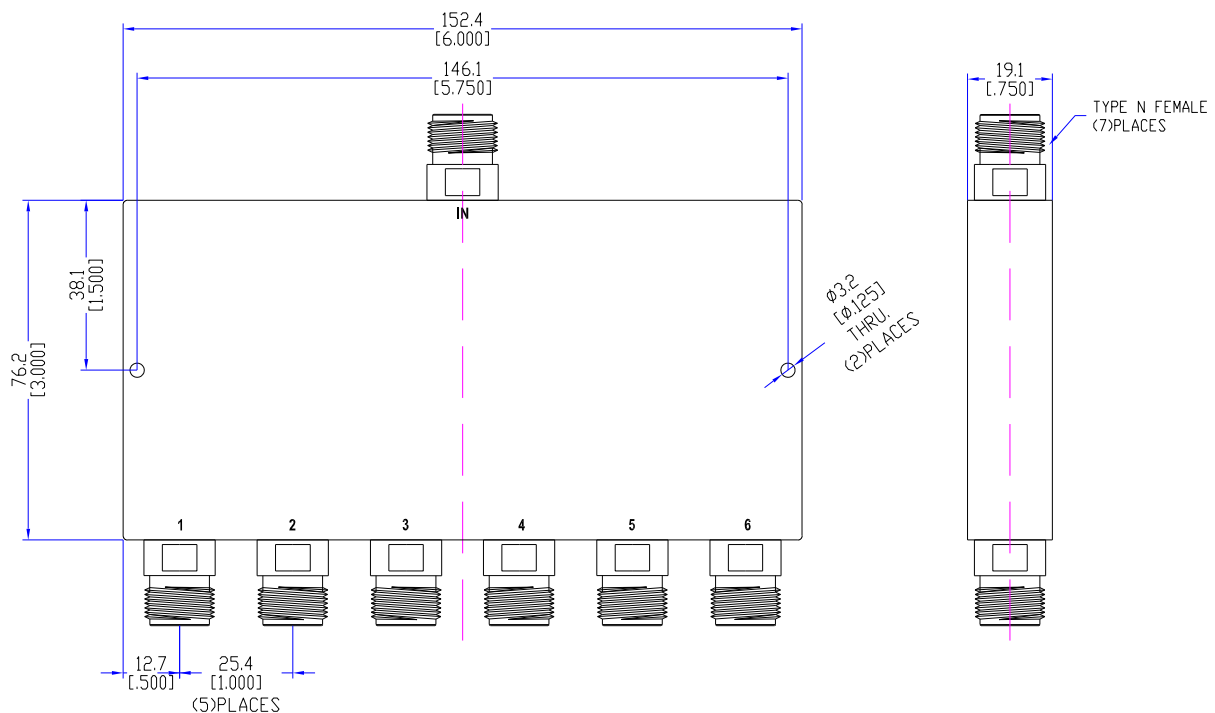
Model TPD0822N6

Features

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

| Technical Data Sheet | | | |
|-----------------------------|-------------------------------------|-----------------------|---|
| Frequency Range | 0.8~2.2GHz | Finish | Natural oxygen |
| Insertion Loss | ≤0.8dB (Above 7.78dB Split) | Connector Body | Brass, Tri-Alloy Plate |
| VSWR | Input ≤1.35:1 Output ≤1.20:1 | Housing | Aluminum, 6061 T6 Clear Chem Conversion Film |
| Isolation | ≥25dB | Connector Pin | Beryllium Copper, Gold Plate |
| Amplitude Balance | ≤0.4dB | Solder | Lead Free, RoHS Compliant |
| Phase Balance | ≤6° | Operating Temperature | -55~+85°C |
| ¹ Power Handling | Forward ≤20Watt; Reversed ≤1Watt | Operating Humidity | Up to 95%, Non-Condensing |
| Impedance | 50Ω | Weight | 540g |
| Port Connectors | N-Female | DC Block | On 6 Connectors |

¹Power Handling guaranteed when load's VSWR within 1.50:1.

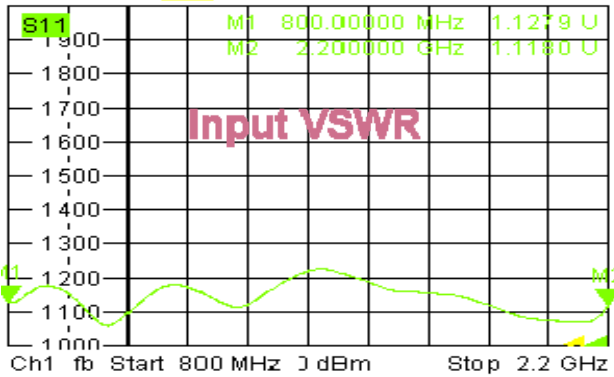


Typical Performance

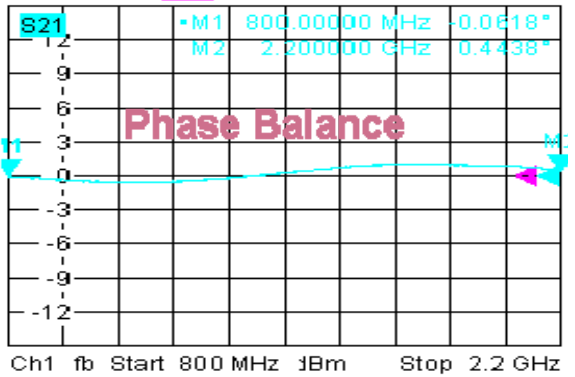
1. Insertion Loss, Amplitude & Phase Balance, VSWR



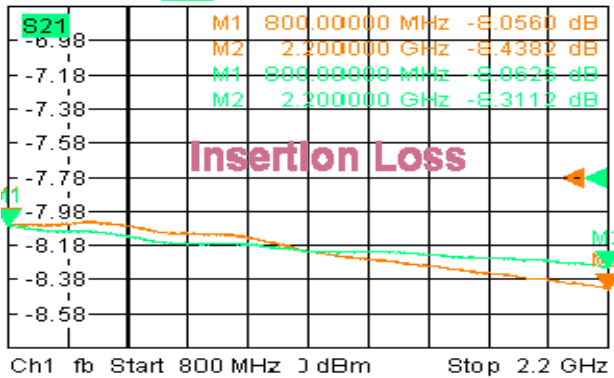
Trc1 Mem5[Trc1] S11 SWR 100 mU/ Ref 1 U Cal
S21 SWR 100 mU/ Ref 1 U Invisib



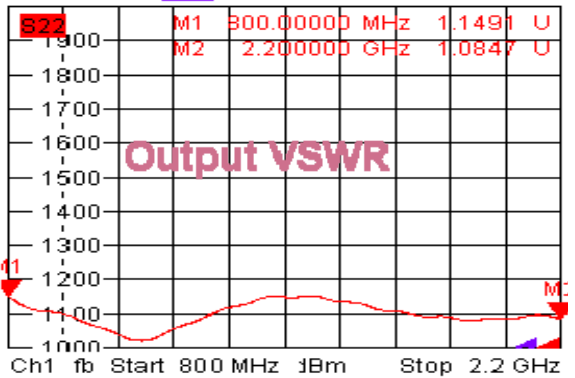
Trc2 Mem6[Trc2] S21 Phase 3° / Ref 0° Cal Mat
S21 Phase 3° / Ref 0° Invisibl



Trc3 Mem7[Trc3] S21 dB Mag 0.2 dB / Ref -7.78 dB
S21 dB Mag 0.2 dB / Ref -7.78 dB



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

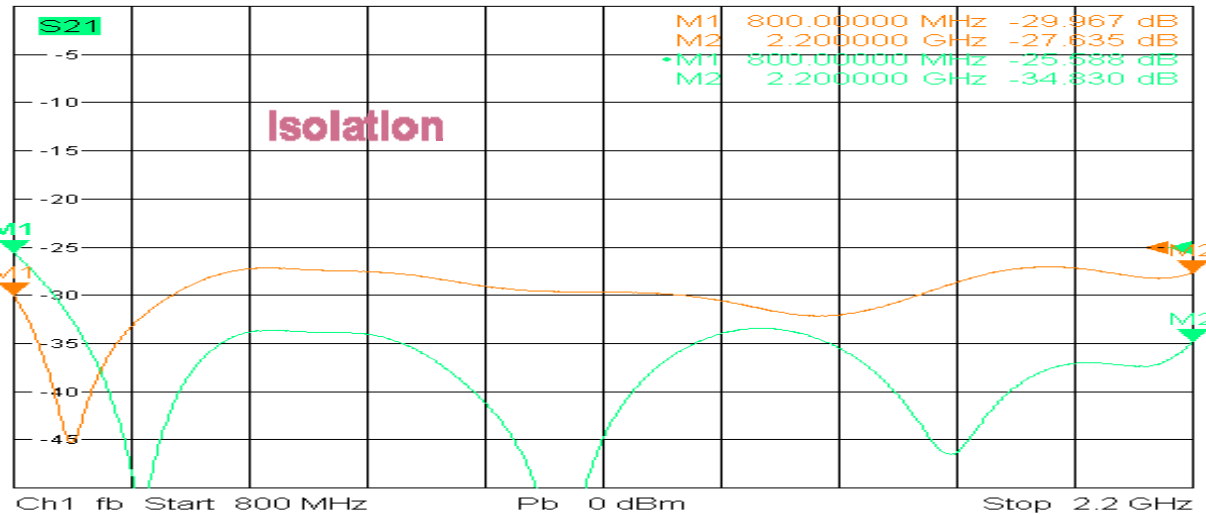


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2. Isolation



Trc3 Mem7[Trc3] S21 dB Mag 5 dB / Ref -25 dB Cal 3 (Max)
S21 dB Mag 5 dB / Ref -25 dB



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