

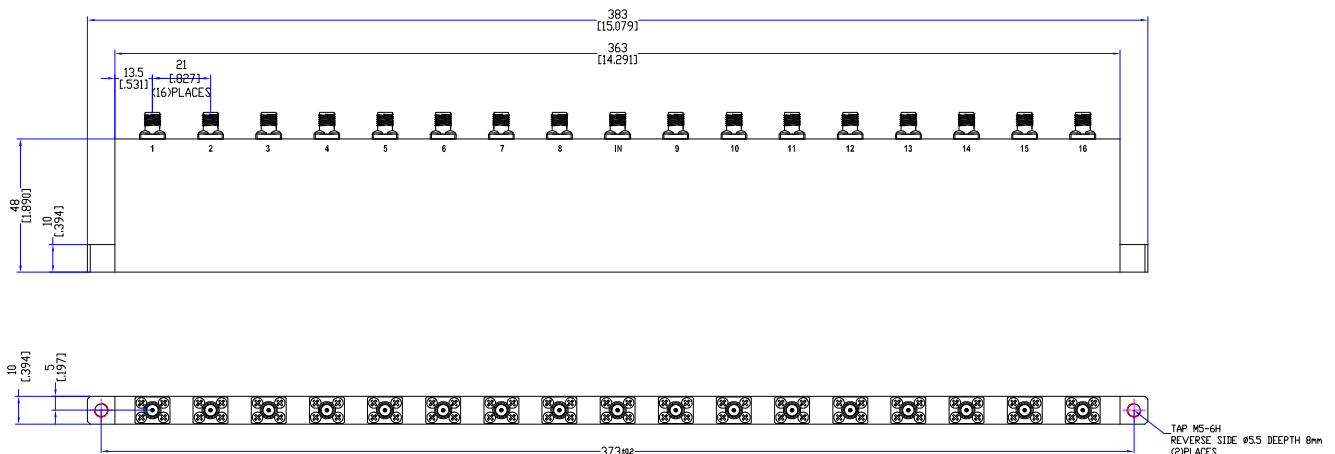
Model TPD60180A16A

Features

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

| Technical Data Sheet | | | |
|-----------------------------|-------------------------------------|-----------------------|-------------------------------------------------|
| Frequency Range | 6~18GHz | Finish | Painted Blue_ RAL #5007 |
| Insertion Loss | ≤5.0dB (Above 12.04dB Split) | Connector Body | Passivated Stainless Steel |
| VSWR | Input ≤1.70:1 Output ≤1.50:1 | Housing | Aluminum, 6061 T6 Clear Chem Conversion Film |
| Isolation | ≥16dB | Connector Pin | Beryllium Copper, Gold Plate |
| Amplitude Balance | ≤±1.0dB | Solder | Lead Free, RoHS Compliant |
| Phase Balance | ≤±10° | Operating Temperature | -20~+65°C |
| ¹ Power Handling | Forward ≤10Watt; Reversed ≤1Watt | Operating Humidity | Up to 95%, Non- Condensing |
| Impedance | 50Ω | Weight | 490g |
| Port Connectors | SMA-Female | | |

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

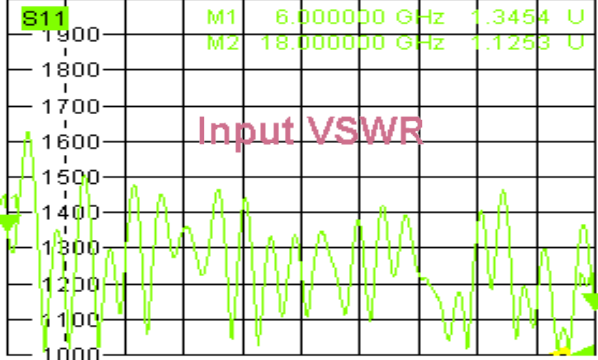


Typical Performance

1. Insertion Loss, Amplitude &Phase Balance, VSWR

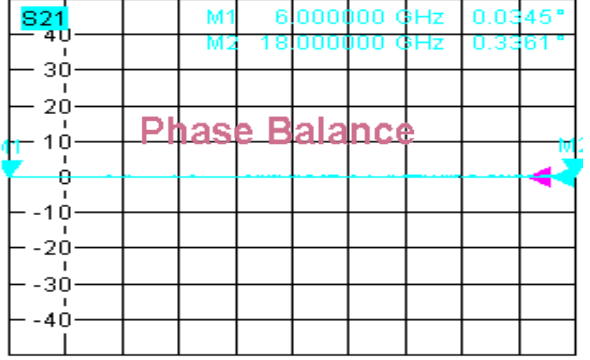


Trc1 Mem5[Trc1] S11 SWR 100 mU/ Ref 1 U Cal Invisi



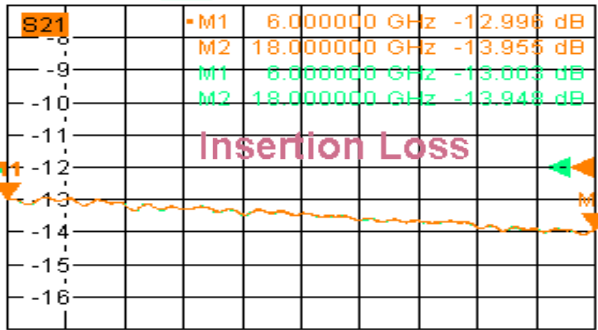
Ch1 fb Start 6 GHz 0 dBm Stop 18 GHz

Trc2 Mem6[Trc2] S21 Phase 10° / Ref 0° Cal Mat Invisibl



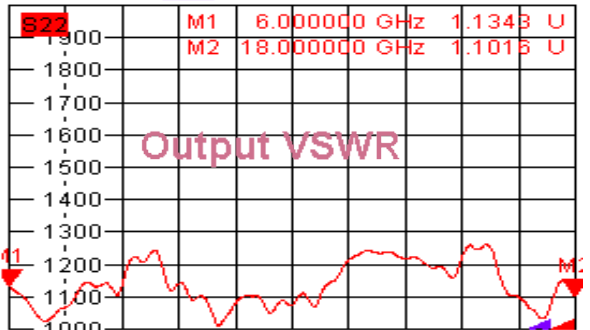
Ch1 fb Start 6 GHz 0 dBm Stop 18 GHz

Trc3 Mem7[Trc3] S21 dB Mag 1 dB / Ref -12 dB Ca



Ch1 fb Start 6 GHz 0 dBm Stop 18 GHz

Trc4 Mem8[Trc4] S22 SWR 100 mU/ Ref 1 U Cal Invi



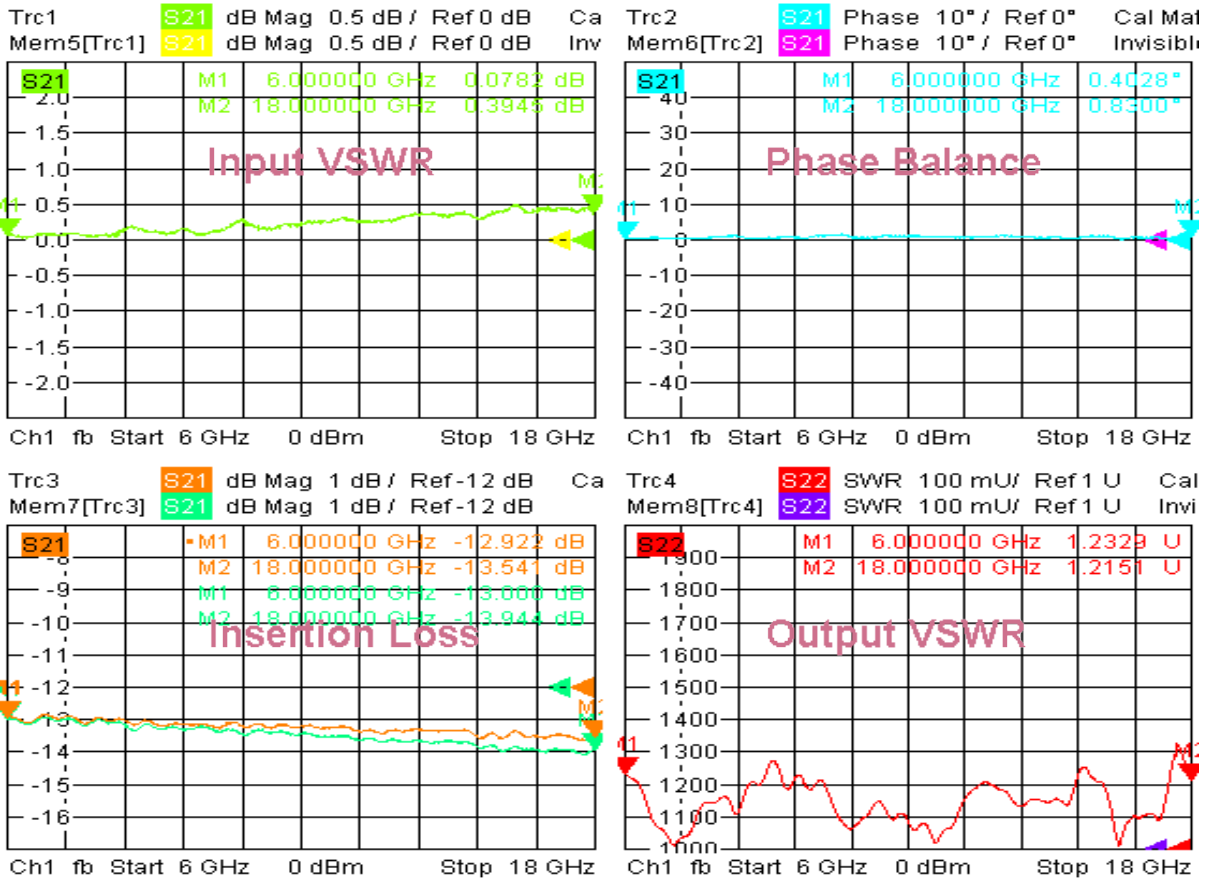
Ch1 fb Start 6 GHz 0 dBm Stop 18 GHz

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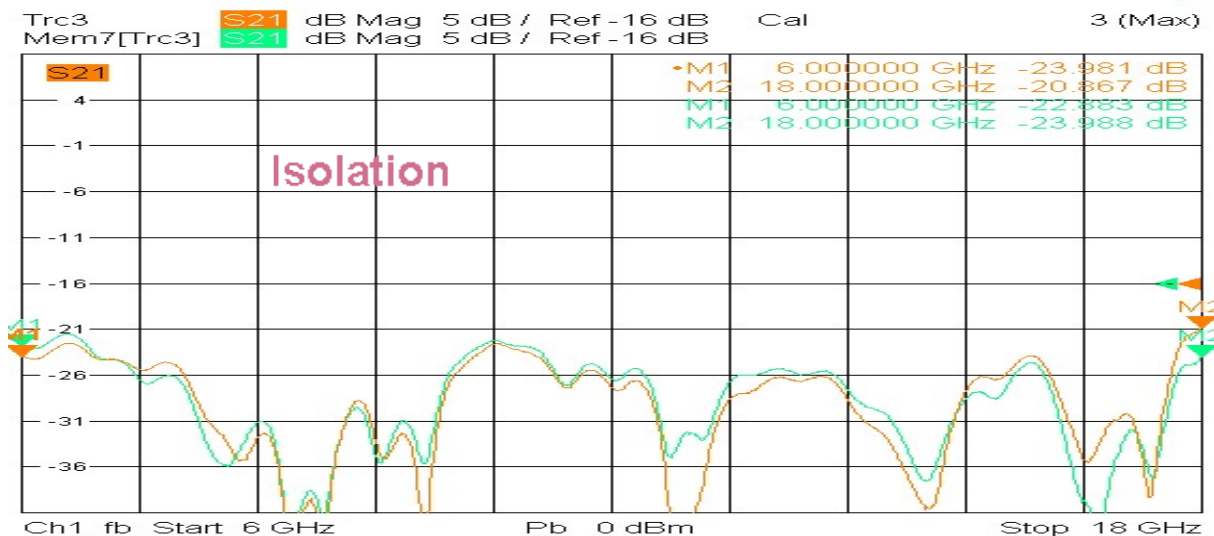
Typical Performance

2. Insertion Loss, Amplitude & Phase Balance, VSWR



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3. Isolation



8/12/2020, 4:13 PM

