

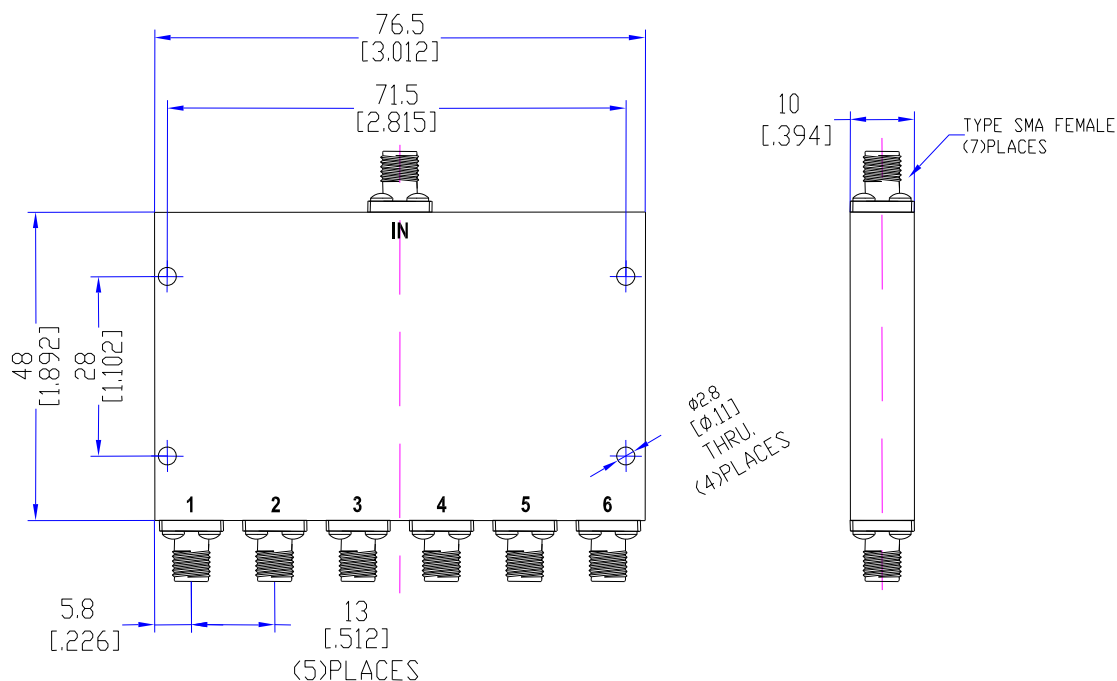
Model TPD60180A6

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	≤1.6dB (Above 7.78dB Split)	Connector Body	Passivated Stainless Steel
VSWR	Input ≤1.70:1 Output ≤1.60:1	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Isolation	≥16dB	Connector Pin	Beryllium Copper, Gold Plate
Amplitude Balance	≤±0.8dB	Solder	Lead Free, RoHS Compliant
Phase Balance	≤±10°	Operating Temperature	-55~+85°C
¹ Power Handling	Forward ≤30Watt; Reversed ≤1Watt	Operating Humidity	Up to 95%, Non-Condensing
Impedance	50Ω	Weight	110g
Port Connectors	SMA-Female		

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

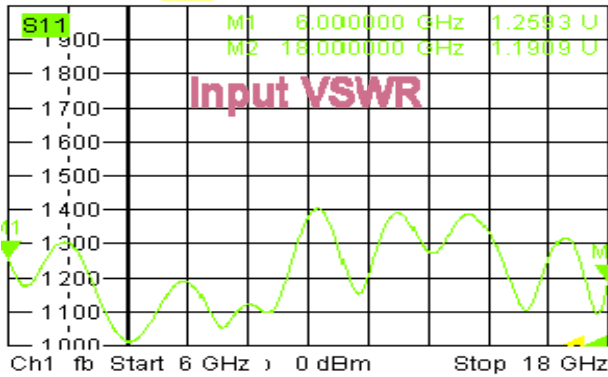


Typical Performance

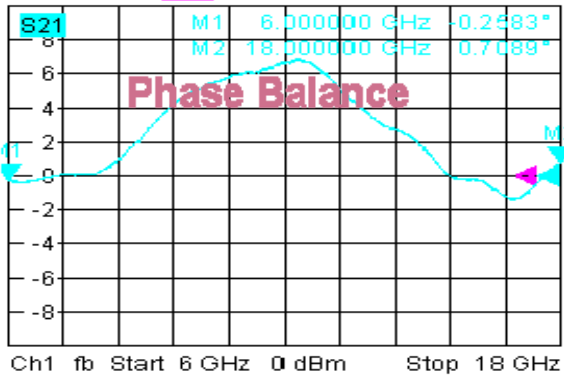
1. Insertion Loss, Amplitude & Phase Balance, VSWR



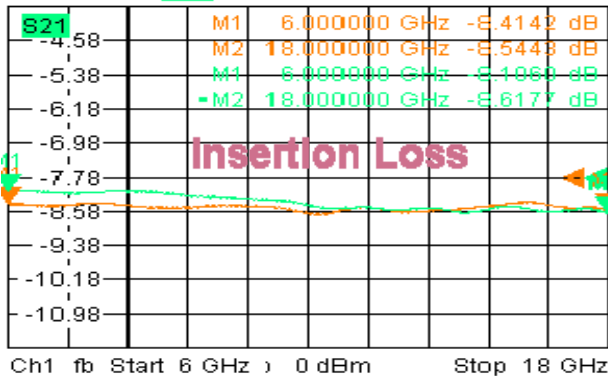
Trc1 Mem5[Trc1] **S11** SWR 100 mU / Ref 1 U Cal
S21 SWR 100 mU / Ref 1 U Invisib



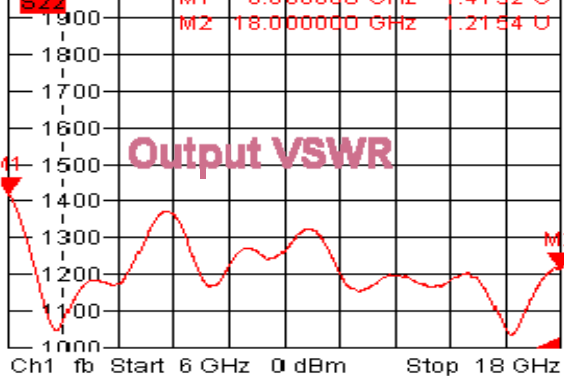
Trc2 Mem6[Trc2] **S21** Phase 2° / Ref 0° Cal Mat
S21 Phase 2° / Ref 0° Invisibl



Trc3 Mem7[Trc3] **S21** dB Mag 0.8 dB / Ref -7.78 dB
S21 dB Mag 0.8 dB / Ref -7.78 dB



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

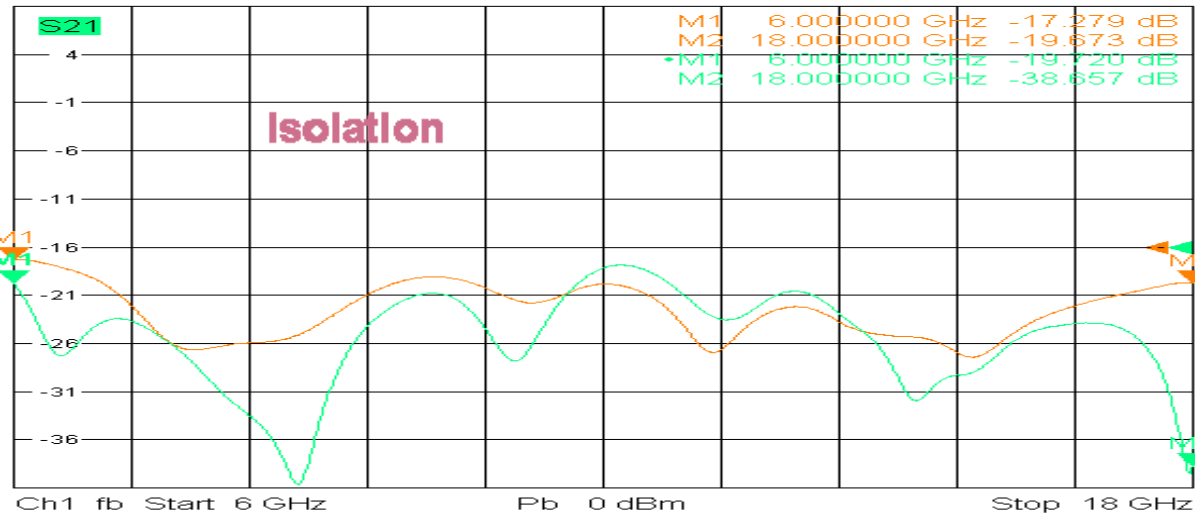


7/17/2018, 10:14 AM

2. Isolation



Trc3 Mem7[Trc3] **S21** dB Mag 5 dB / Ref -16 dB Cal 3 (Max)
S21 dB Mag 5 dB / Ref -16 dB



7/17/2018, 10:24 AM

