

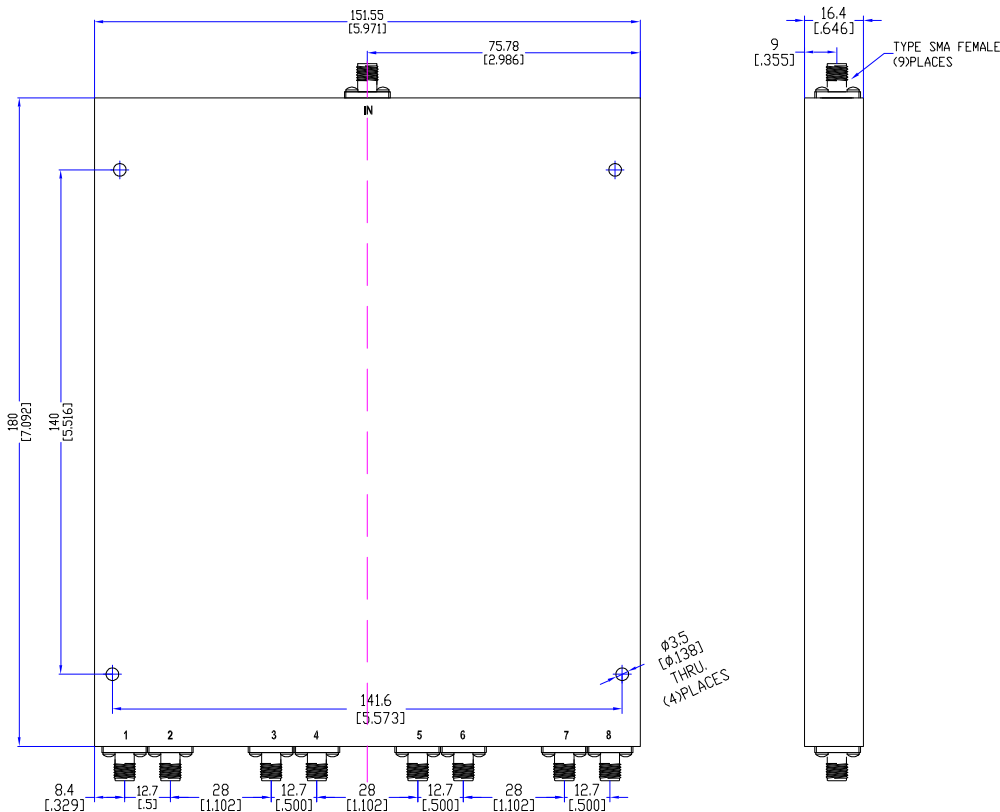
## Model TPD03180A8

### Features

Excellent phase& amplitude balance  
Low Insertion Loss& VSWR

Technical Data Sheet			
Frequency Range	0.3~18GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤8.0dB (Above 9.03dB Split)	Connector Body	Passivated Stainless Steel
VSWR	Input ≤1.90:1 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	≤±9°	Operating Temperature	-55~+85°C
<sup>1</sup> Power Handling	Forward ≤30Watt; Reversed ≤1Watt	Operating Humidity	Up to 95%,Non- Condensing
Impedance	50Ω	Weight	1160g
Port Connectors	SMA-Female		

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

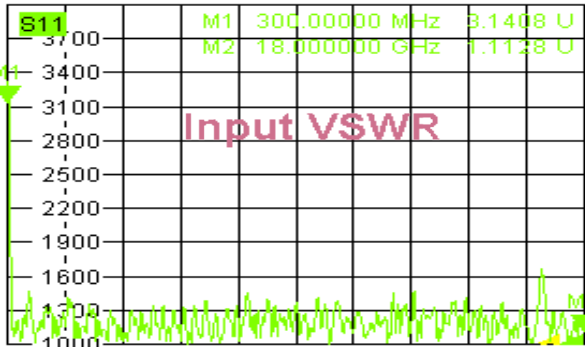


## Typical Performance

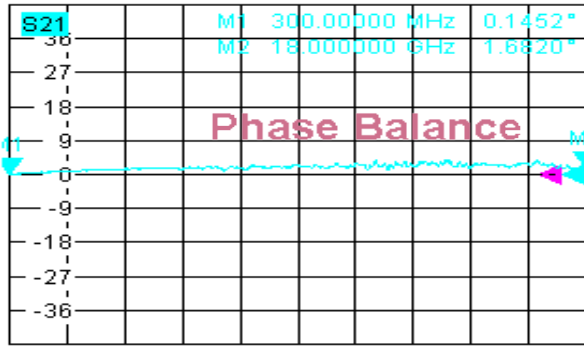
### 1. Insertion Loss, Amplitude &Phase Balance, VSWR



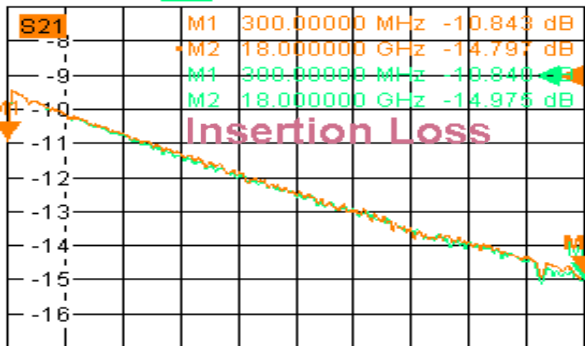
Trc1 Mem5[Trc1] S11 SWR 300 mU/ Ref 1 U Cal Invis



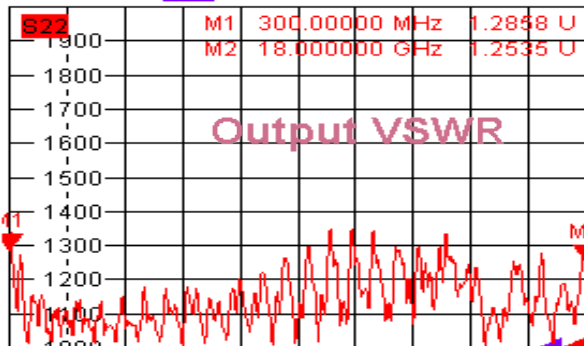
Trc2 Mem6[Trc2] S21 Phase 9° / Ref 0° Cal Math Invisible



Trc3 Mem7[Trc3] S21 dB Mag 1 dB / Ref -9 dB Ca



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

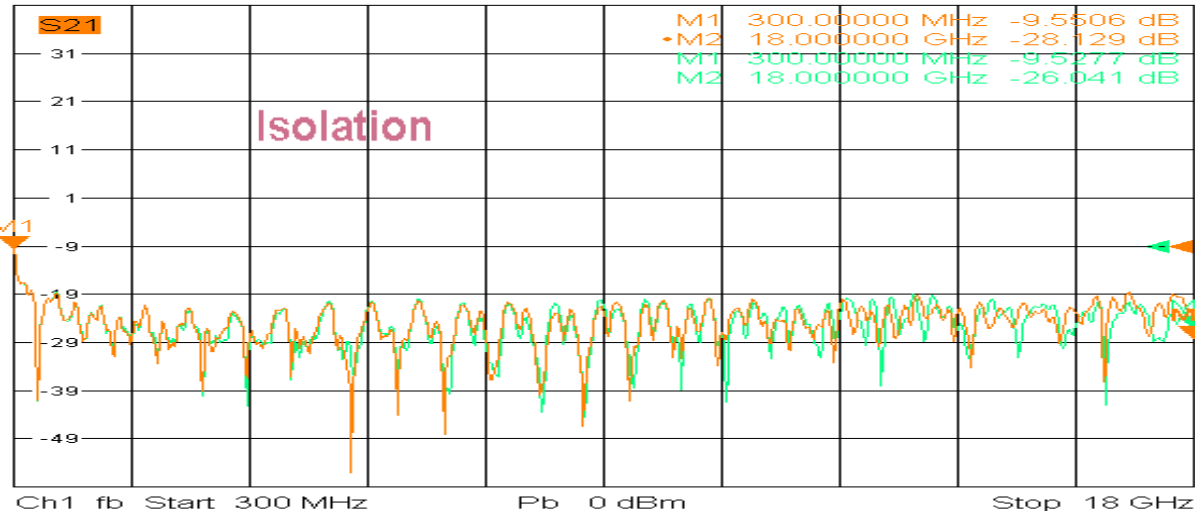


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### 2. Isolation



Trc3 Mem7[Trc3] S21 dB Mag 10 dB / Ref -9 dB Cal 3 (Max)



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