

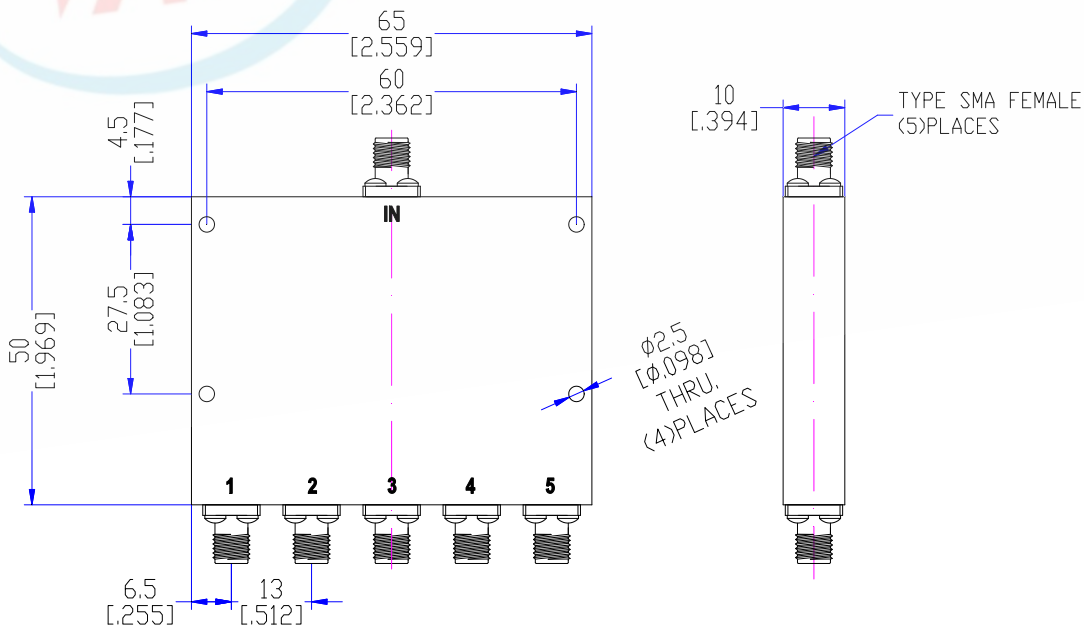
Model TPD60130A5

Features

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

Technical Data Sheet			
Frequency Range	6 ~ 13GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤1.5dB (Above 6.99dB Split)	Connector Body	Passivated Stainless Steel
VSWR	Input ≤1.70:1 Output ≤1.70:1	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Isolation	≥18dB	Connector Pin	Beryllium Copper, Gold Plate
Amplitude Balance	≤±0.5dB	Solder	Lead Free, RoHS Compliant
Phase Balance	≤±7°	Operating Temperature	-55~+85°C
¹ Power Handling	Forward ≤20Watt; Reversed ≤1Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	100g
Port Connectors	SMA-Female		

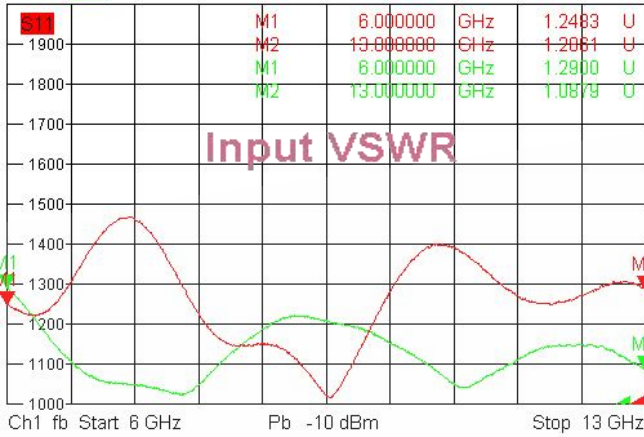
¹Power Handling guaranteed when load's VSWR within 1.50:1.



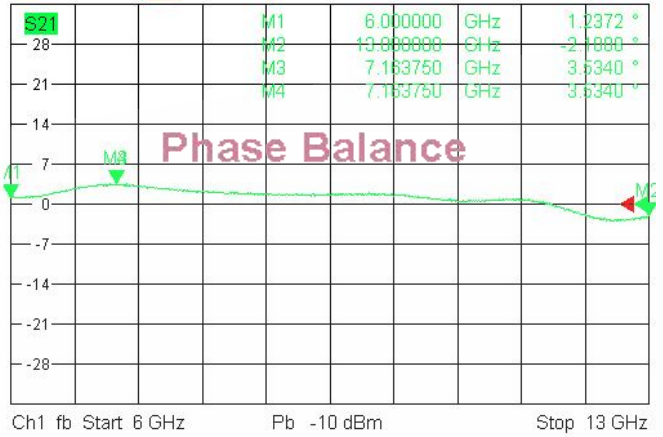
Typical Performance

1. Insertion Loss, Amplitude & Phase Balance, VSWR

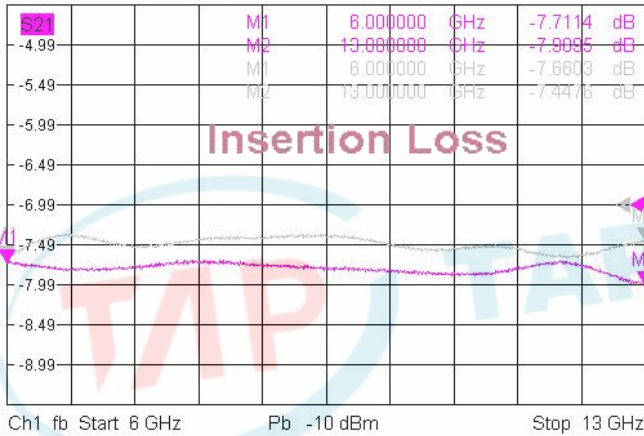
Trc4 **S11** SWR 100 mU/ Ref 1 U Cal
Trc16 **S22** SWR 100 mU/ Ref 1 U Cal



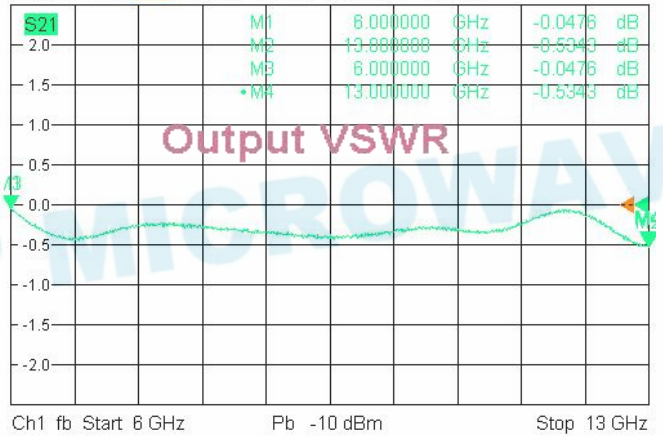
Trc13 **S21** Phase unwrap 7° / Ref 0° Cal Math
Mem14[Trc13] **S21** Phase unwrap 7° / Ref 0° Invisible



Trc6 **S21** dB Mag 0.5 dB / Ref -6.99 dB Cal
Mem10[Trc6] **S21** dB Mag 0.5 dB / Ref -6.99 dB



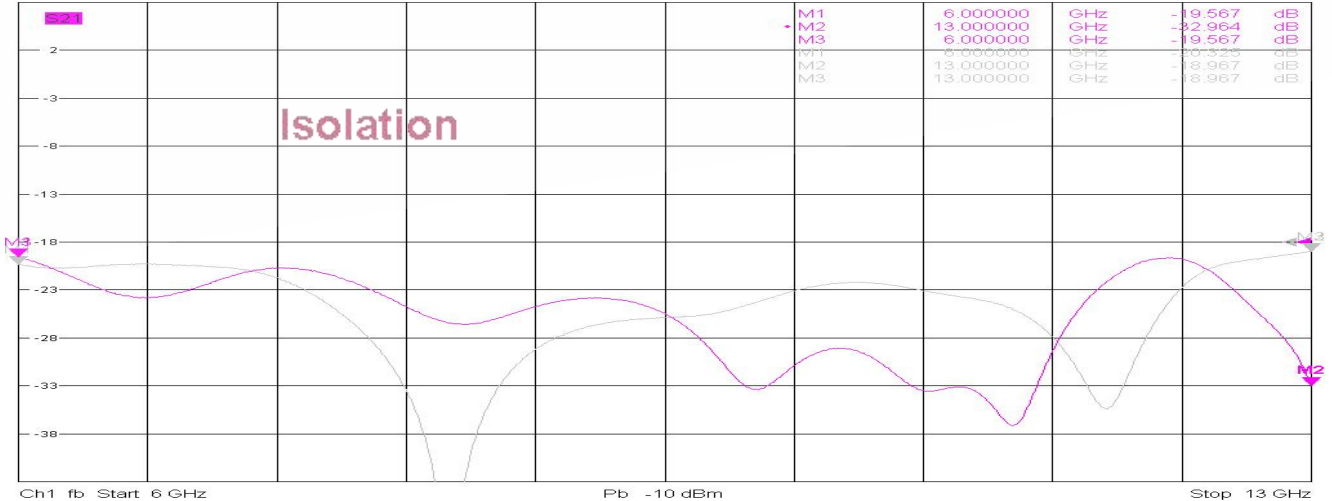
Trc7 **S21** dB Mag 0.5 dB / Ref 0 dB Cal Math
Mem15[Trc7] **S21** dB Mag 0.5 dB / Ref 0 dB Invisible



5/25/2026, 11:17 AM

2. Isolation

Trc6 **S21** dB Mag 5 dB / Ref -18 dB Cal Mem10[Trc6] **S21** dB Mag 5 dB / Ref -18 dB 3 (Max)



5/25/2026, 11:24 AM

