

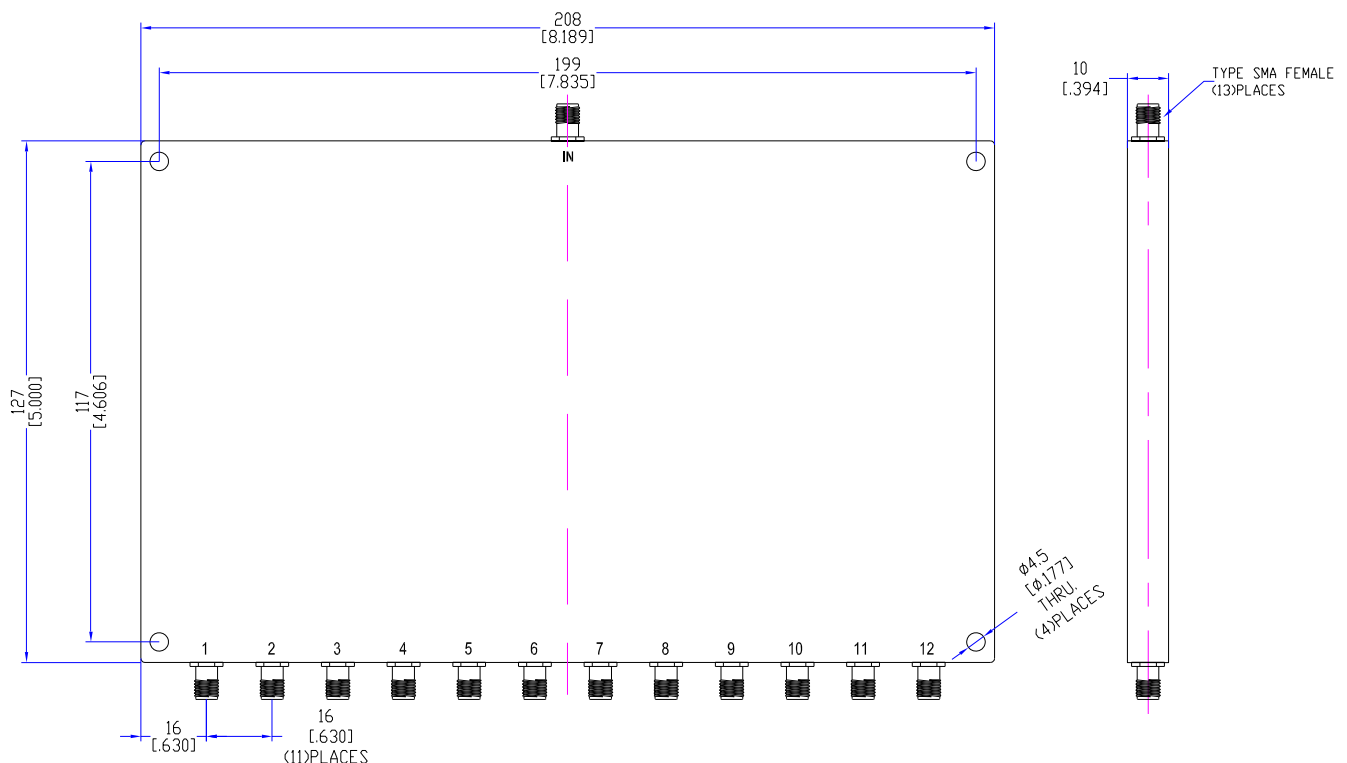
Model TPD0305A12

Features

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

Technical Data Sheet			
Frequency Range	350~470MHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤1.50dB (Above 10.79dB Split)	Connector Body	Brass, Tri-Alloy Plate
VSWR	Input ≤1.50:1 Output ≤1.30:1	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Isolation	≥18dB	Connector Pin	Beryllium Copper, Gold Plate
Amplitude Balance	≤±0.6dB	Solder	Lead Free, RoHS Compliant
Phase Balance	≤±6°	Operating Temperature	-55~+85°C
¹ Power Handling	Forward ≤30Watt; Reversed ≤1Watt	Operating Humidity	Up to 95%, Non-Condensing
Impedance	50Ω	Weight	520g
Port Connectors	SMA-Female		

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

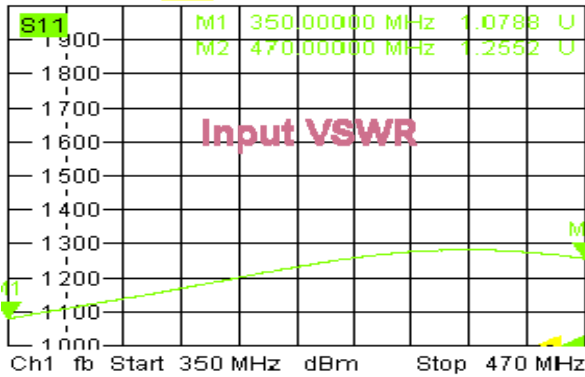


Typical Performance

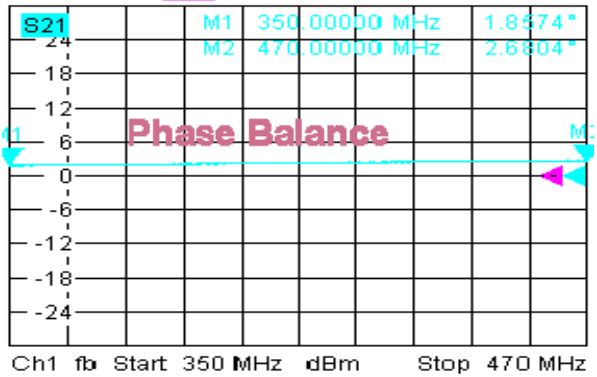
1. Insertion Loss, Amplitude & Phase Balance, VSWR



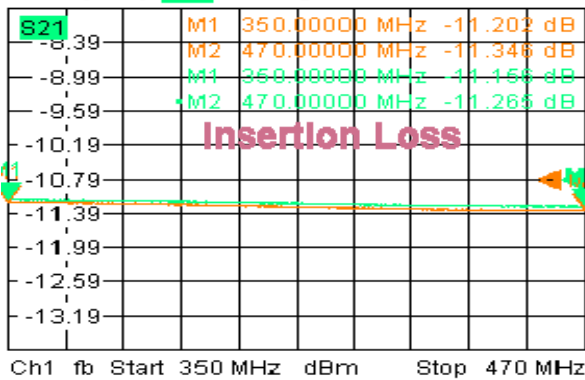
Trc1 **S11** SWR 100 mU/ Ref 1 U Cal
 Mem5[Trc1] **S21** SWR 100 mU/ Ref 1 U Invis



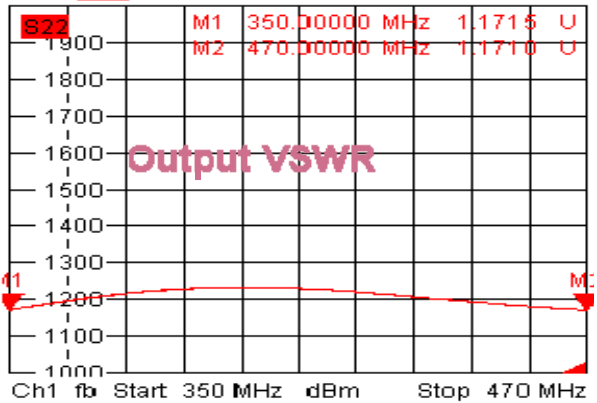
Trc2 **S21** Phase unwrap 6° / Ref 0° C
 Mem6[Trc2] **S21** Phase unwrap 6° / Ref 0° Ir



Trc3 **S21** dB Mag 0.6 dB / Ref -10.79 dB
 Mem7[Trc3] **S21** dB Mag 0.6 dB / Ref -10.79 dB



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

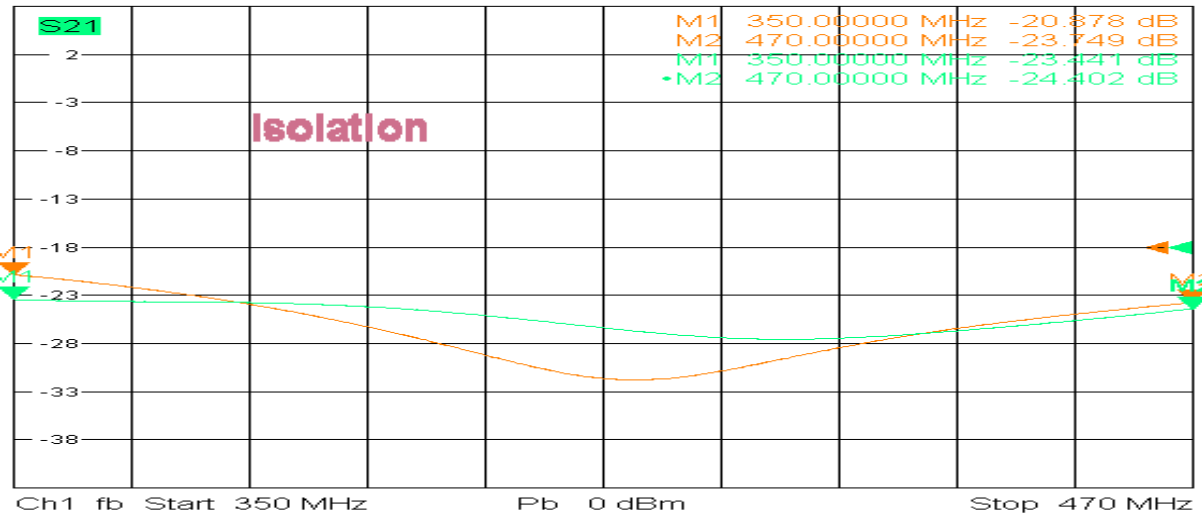


2/28/2019, 10:21 AM

2. Isolation



Trc3 **S21** dB Mag 5 dB / Ref -18 dB Cal 3 (Max)
 Mem7[Trc3] **S21** dB Mag 5 dB / Ref -18 dB



2/28/2019, 10:23 AM

