

4-way Power Divider

Design	Stripline
Environment	Nominal
Number of Output Ports	4
P / N	PD010180-4S_B
ID	PD00249



1 to 18 GHz 4-way Power Divider Technical Data Sheet

PD010180-4S_B

Features

- Design : Wilkinson
- Stainless Steel Connectors
- Low Insertion Loss 2.6dB
- Number of Output Ports : 4
- RoHS and REACH Compliant
- High Isolation 16dB

Electrical Specifications (For more Power Divider products information, please click [Power Divider](#))

Description	Minimum	Typical	Maximum	Units	Condition
Freq. Range	1		18	GHz	
Nominal Splitter Loss		6.0		dB	
Insertion Loss			2.6	dB	Excluding Nominal Splitter Loss 6.0dB
Input VSWR			1.65		
Output VSWR			1.5		
Amplitude Balance			0.5	dB	#1
Phase Balance			6	deg	#2
Isolation	16			dB	
Forward Power			30	W	CW
Reverse Power			1	W	CW
Peak Power			0.5	KW	P-P
Impedance		50		Ohms	
Operating Temp.	-45		+85	°C	Relative Humidity 5 to 95%
Additional Conditions					

: Electronic Specification Note : Values at 25deg , sea level. Test indicators will deteriorate at high and low temperature ;

#1 : All output ports /power combiner in-amplitude (0dB difference) ;

#2 : All output ports /power combiner in-phase (0° difference) ;

Mechanical Specifications

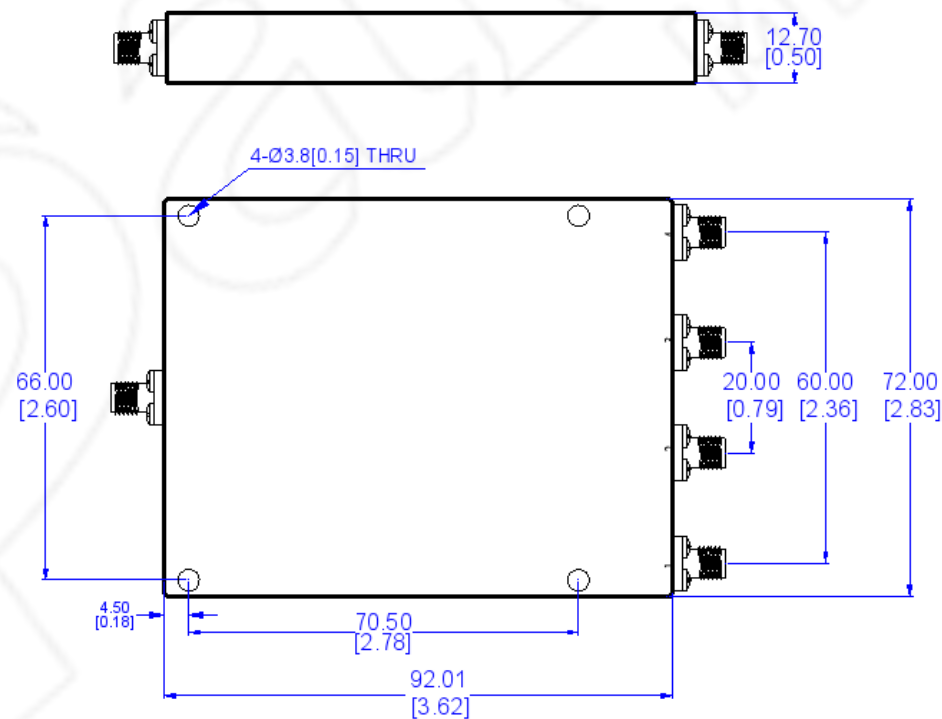
Description	Specification	Note
Cavity Material	Aluminum	
PCB	ROGERS , ARLON or TACONIC	
Dimension L*W*H	92*72*12.7 mm	
Input Connector	SMA-Female	Stainless Steel
Output Connectors	SMA-Female	Stainless Steel
Weight	230 g	
Finishing	Paint Black	
Environment	✘	Nominal
RoHS and REACH Compliant	✔	

Outline Drawing

Dimensions are in mm [Inches]

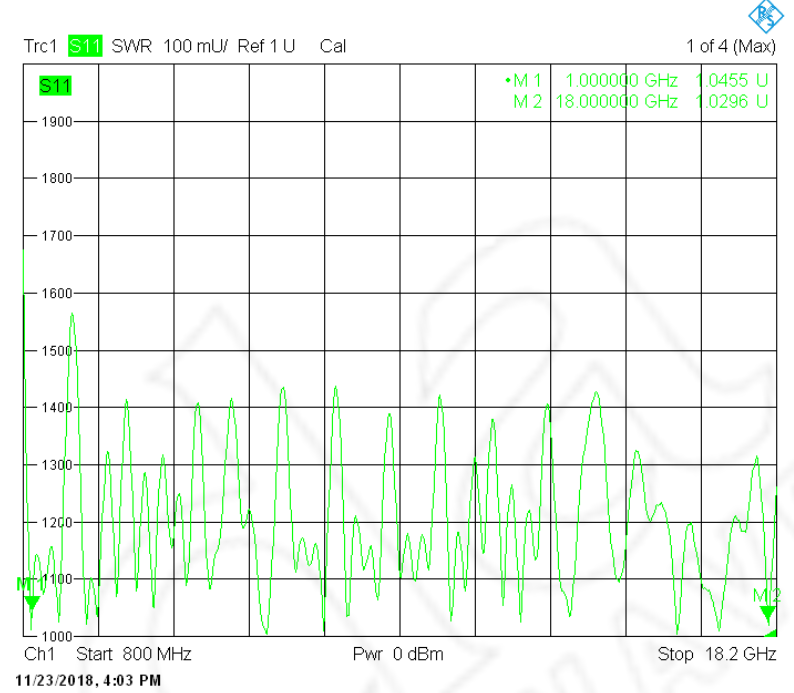
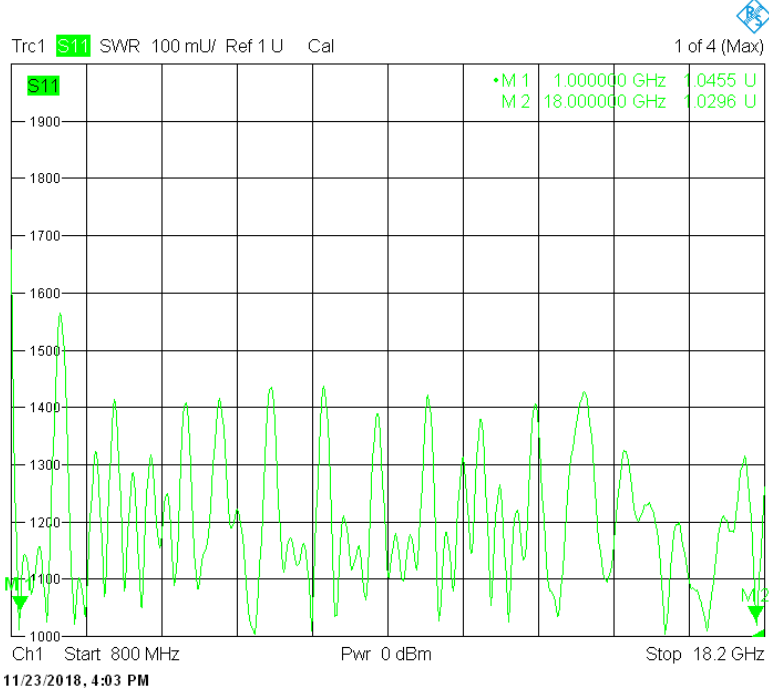
Tolerances : Outline drawing: ± 0.2 [0.008],

Hole: ± 0.2 [0.008]



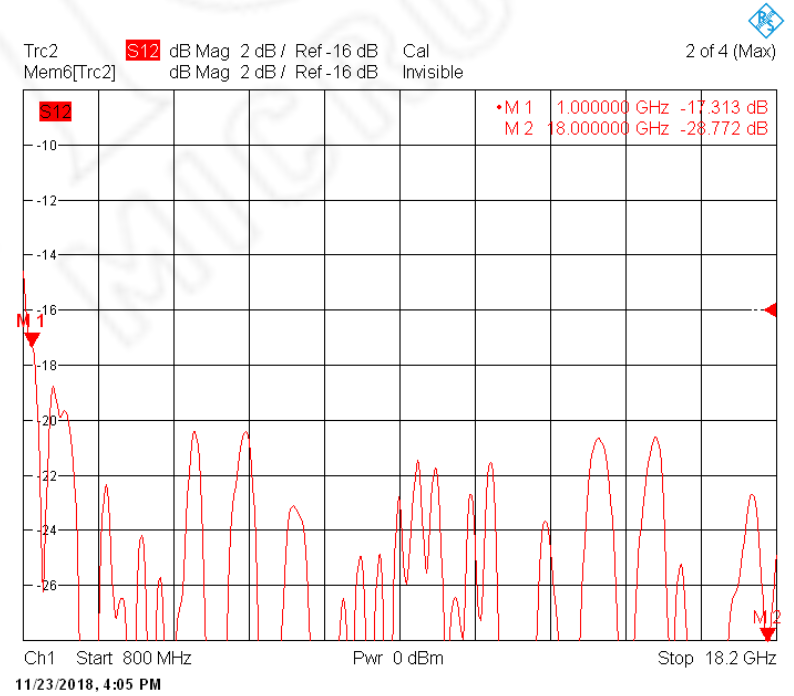
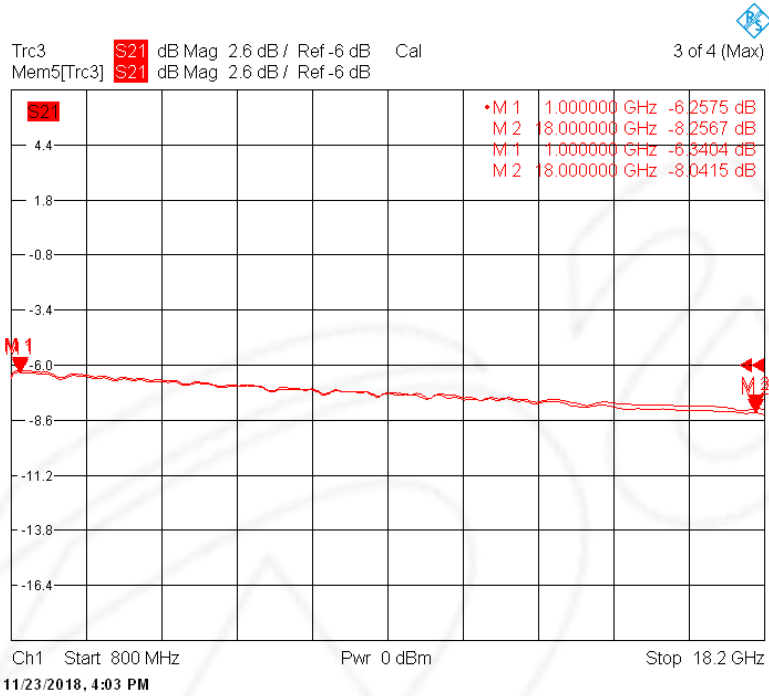
Input Port VSWR

Output Port VSWR



Output Port Insertion Loss

Output Port Isolation



Amplitude Balance

Phase Balance

