

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

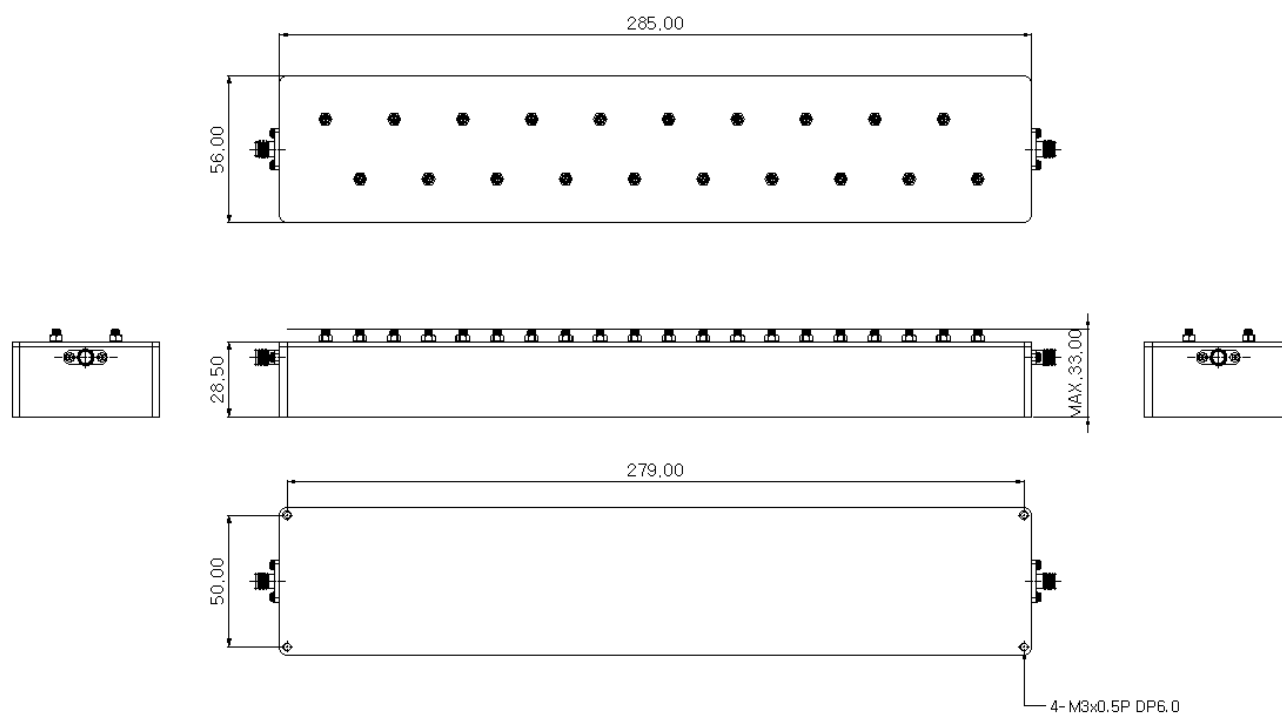
Product Name : Cavity Band Pass Filter

Part No : MBP-C1800_1000MS-A-R0

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2023.03.14	Jeffrey Jeong	Michael Jeon
2					
3					
4					
5					
6					

■ Mechanical Drawing



■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	1800MHz	
2. Bandwidth	1000MHz[1300 ~ 2300MHz]	
3. Insertion Loss in BW	1.0dB Max.	
7. Return Loss in BW	15dB Min.	
8. Attenuation	40dB Min @ 1200MHz 40dB Min @ 2400MHz	
10. Power Handling	36dBm Max.	
12. In/Out Impedance	50Ω	
13. Temperature Range	-40°C ~ +85°C	
14. Dimension[WxDxH]	285.0 X 56.0 X 28.5mm Max	

※It is subjected to change with prior notice.

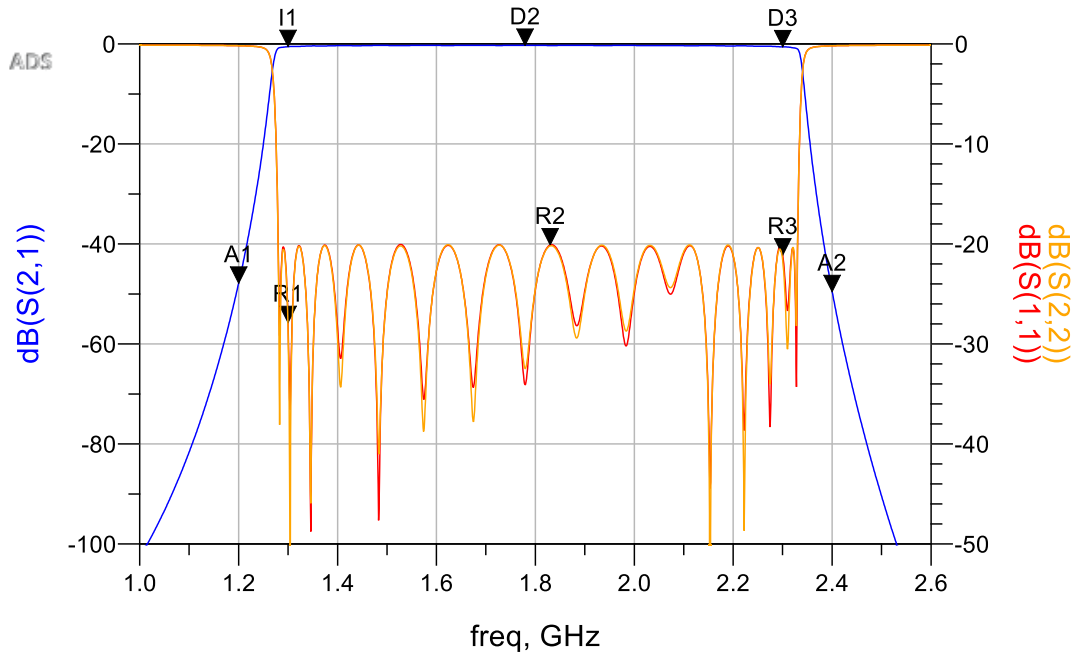
Simulation Curve

Insertion loss
[dB]

I1
freq=1.3000GHz
dB(S(2,1))=-0.5499

D2
freq=1.7790GHz
dB(S(2,1))=-0.2768
Max

D3
freq=2.3000GHz
dB(S(2,1))=-0.5891



Rejection [dB]

A1
freq=1.2000GHz
dB(S(2,1))=-47.8823

A2
freq=2.4000GHz
dB(S(2,1))=-49.5373

Return loss
[dB]

R1
freq=1.3000GHz
dB(S(1,1))=-27.8769

R2
freq=1.8300GHz
dB(S(1,1))=-20.1043

R3
freq=2.3000GHz
dB(S(1,1))=-21.1100