

PRODUCT SPECIFICATION FOR INFORMATION

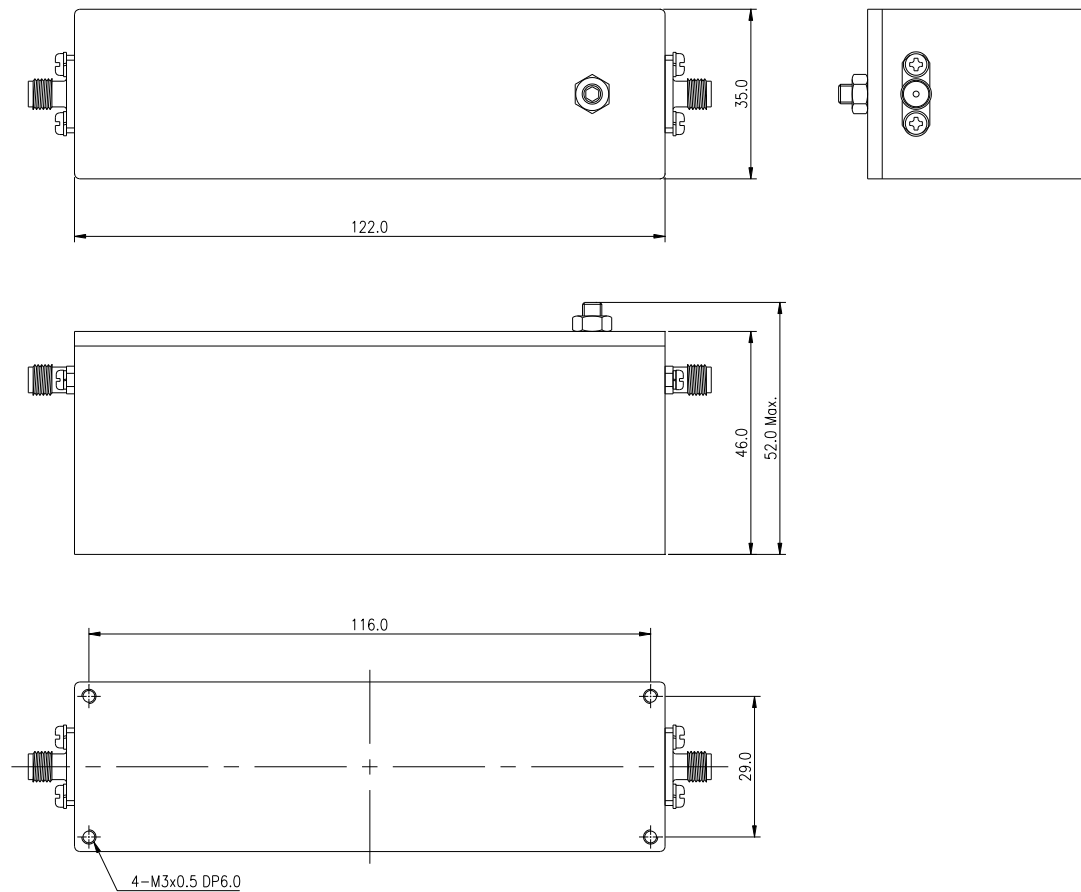
PRELIMINARY SPECIFICATION

Product Name : Cavity Band Pass Filter

Part No : MBP-C895.5-65MS-A-R0

	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2023.08.18	Jeffrey Chung	Michael Jeon

■ Mechanical Drawing



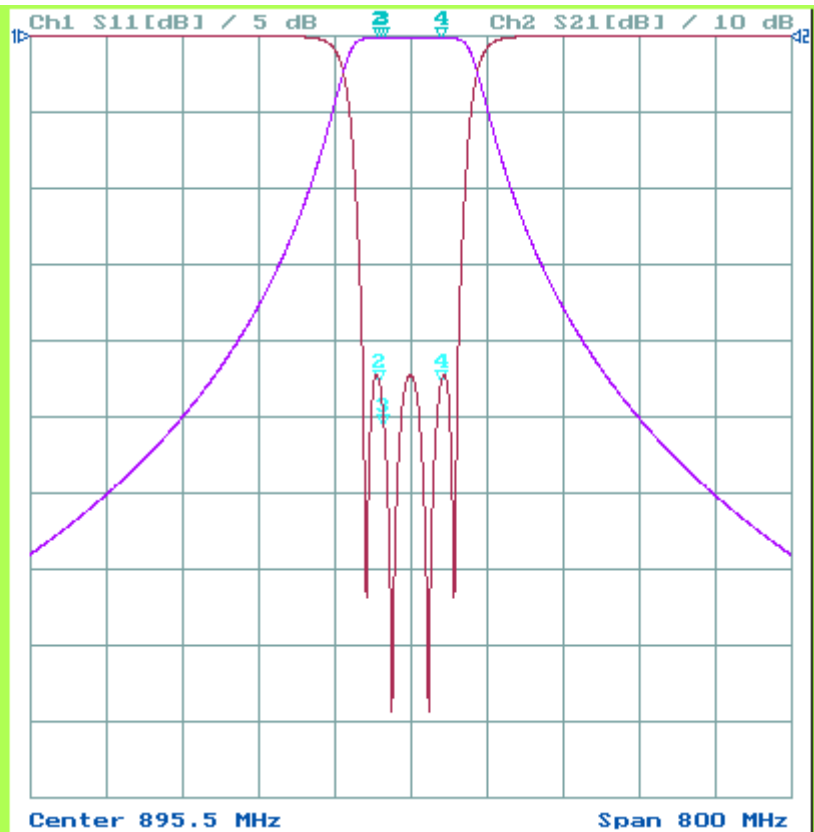
■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	895.5MHz	
2. Bandwidth [BW]	Fc ±32.5MHz[863~928MHz]	
3. Insertion Loss in BW	1.0dB Max.	
4. Return Loss	15dB Min.	
5. Rejections	40dB Min @ DC~470MHz	
	60dB Min @ ≥1700MHz	@≥1700~2700MHz
6. Pass Band Delta	0.1dB Max.(any 5MHz Band)	
7. Group Delay Delta	1ns Max.(any 5MHz Band)	
8. Impedance	50Ohm	
9. Operating Temperature	-30°C ~ +75°C	
10. Storage Temperature	-30°C ~ +85°C	
11. Power Handling	30W CW Max.	
12.Humidity, relative, non-condensing	0~90%	
13. Size (W × D × H)	35.0x122.0x52.0 mm	Exclude Connector.
14. Wight(g)	1000g	
15 Connectors	SMA(F)	
16. Finish	Black	

Remarks: This is a preliminary datasheet for reference.

■ Simulation DATA

Marker1 470 [MHz]
 -0.005 -70.368
 Marker2 863 [MHz]
 -22.760 -0.400
 Marker3 868 [MHz]
 -25.537 -0.377
 Marker4 928 [MHz]
 -22.760 -0.400
 Marker5 1700 [MHz]
 -0.001 -92.582



Marker1 470 [MHz]
 0.108
 Marker2 863 [MHz]
 7.676
 Marker3 868 [MHz]
 7.449
 Marker4 928 [MHz]
 7.676
 Marker5 1700 [MHz]
 0.030

