

PRODUCT SPECIFICATION FOR INFORMATION

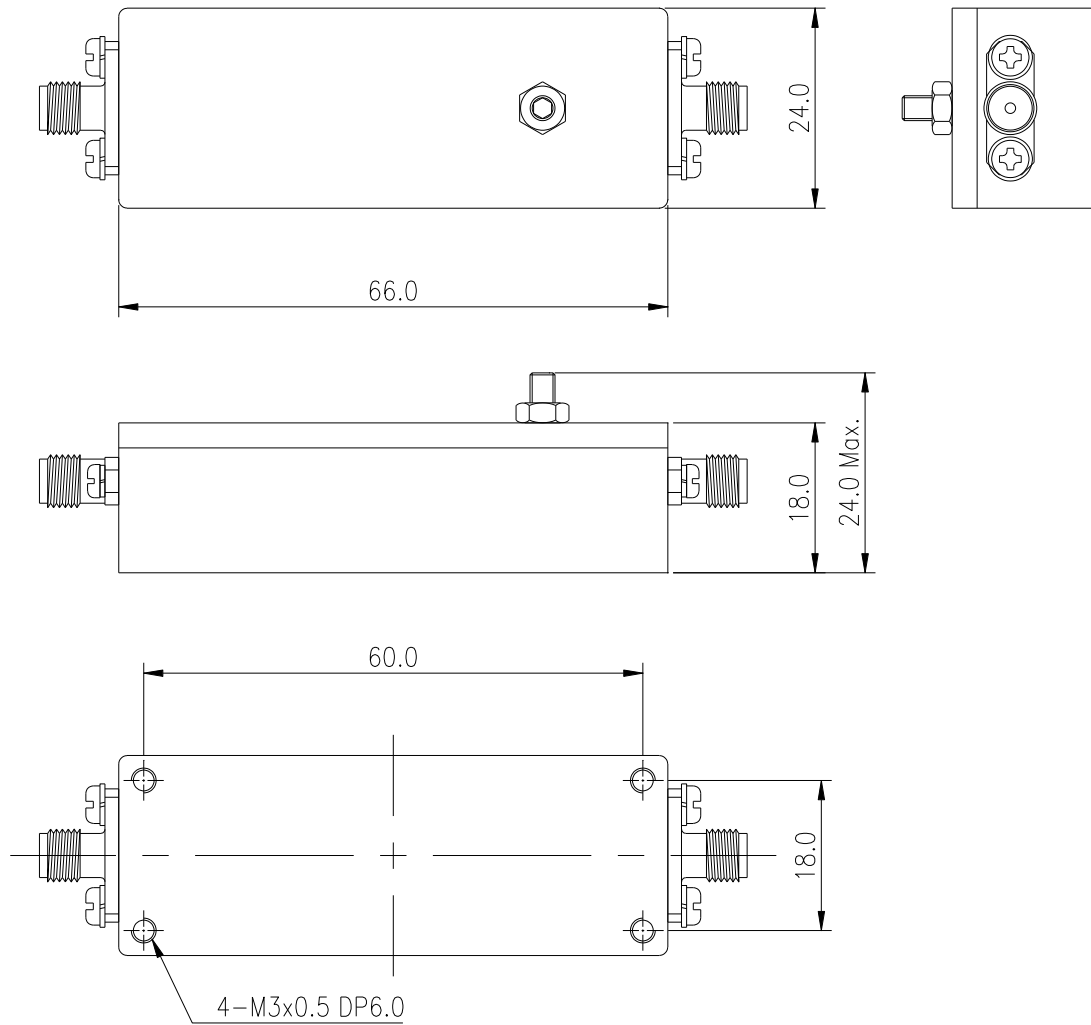
PRELIMINARY SPECIFICATION

Product Name : Cavity Band Pass Filter

Part No : MBP-C5487.5-775MS-A-R0

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

■ Mechanical Drawing



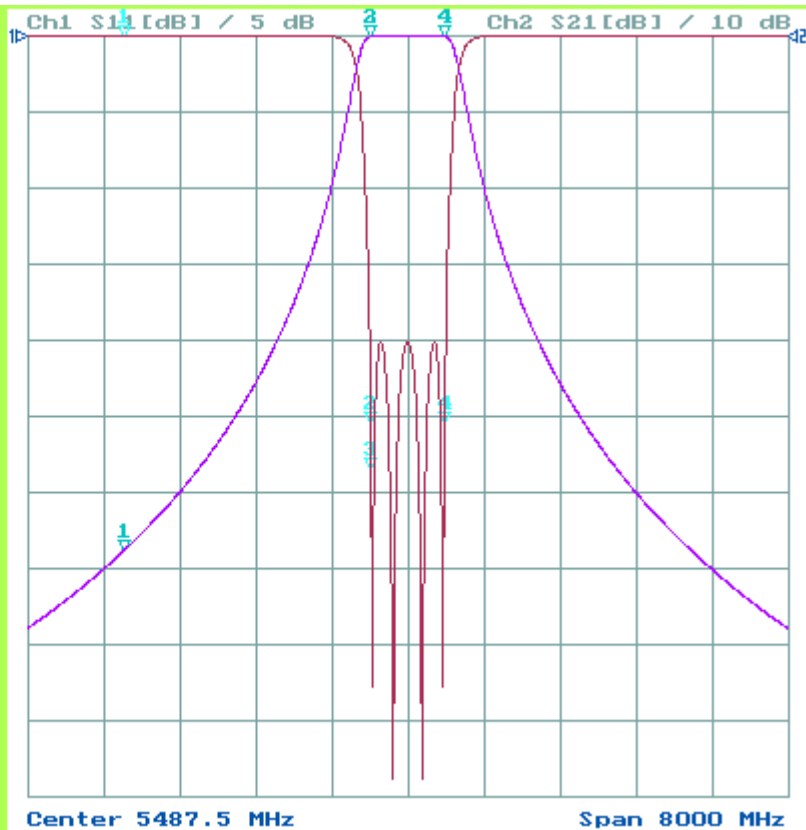
■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	5487.5MHz	
2. Bandwidth [BW]	$F_c \pm 387.5\text{MHz}$ [5100~5875MHz]	
3. Insertion Loss in BW	0.75dB Max.	
4. Return Loss	15dB Min.	
5. Rejections	40dB Min @ DC~2500MHz	
	60dB Min @ $\geq 10200\text{MHz}$	@ $\geq 10200\sim 12750\text{MHz}$
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	20W CW Max.	
12. Humidity, relative, non-condensing	0~90%	
13. Size (W × D × H)	24.0x68.0x24.0 mm	Exclude Connector.
14. Wight(g)	400g	
15 Connectors	SMA(F)	
16. Finish	Black	

Remarks: This is a preliminary datasheet for reference.

■ Simulation DATA

Marker1 2500 [MHz]
-0.002 -67.811
Marker2 5100 [MHz]
-25.452 -0.214
Marker3 5105 [MHz]
-28.514 -0.204
Marker4 5875 [MHz]
-25.452 -0.214
Marker5 10200 [MHz]
-0.001 -83.739



Marker1 2500 [MHz]
0.016
Marker2 5100 [MHz]
1.343
Marker3 5105 [MHz]
1.320
Marker4 5875 [MHz]
1.343
Marker5 10200 [MHz]
0.006

