

PRODUCT SPECIFICATION FOR INFORMATION

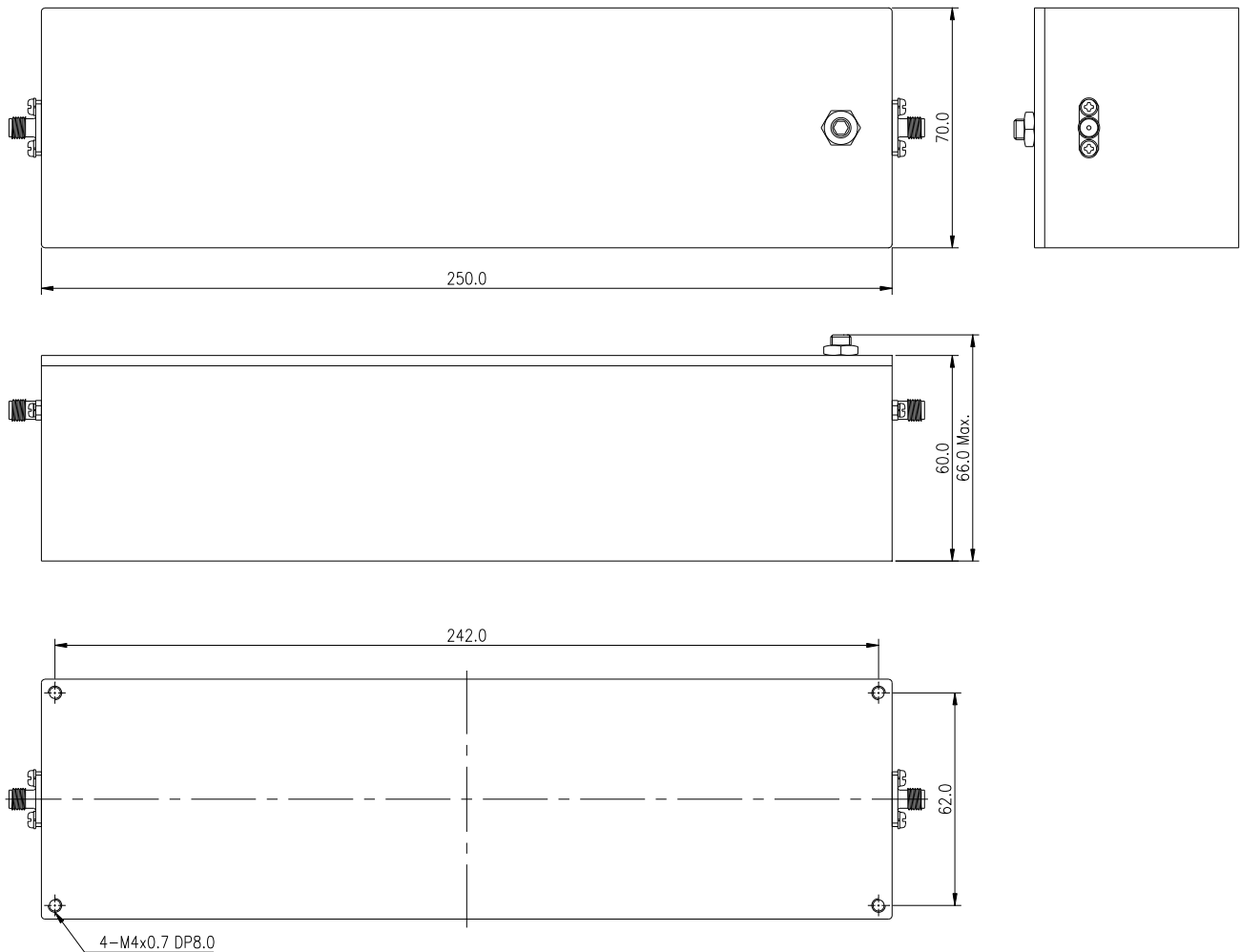
PRELIMINARY SPECIFICATION

Product Name : Cavity Band Pass Filter

Part No : MBP-C435-70MS-A-R0

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

■ Mechanical Drawing



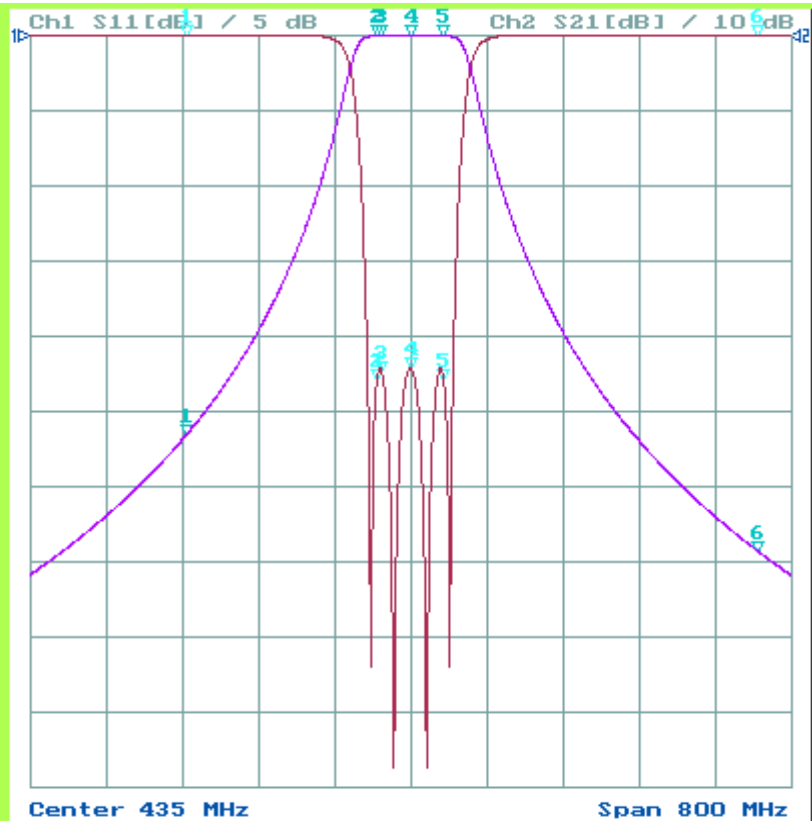
■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	435MHz	
2. Bandwidth [BW]	Fc ±35MHz[400~470MHz]	
3. Insertion Loss in BW	1.5dB Max.	
4. Return Loss	15dB Min.	
5. Rejections	40dB Min @ DC~200MHz	
	60dB Min @ ≥800MHz	@≥800~1500MHz
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	40W CW Max.	
12.Humidity, relative, non-condensing	0~90%	
13. Size (W × D × H)	70.0x250.0x66.0 mm	Exclude Connector.
14. Wight(g)	1200g	
15 Connectors	SMA(F)	
16. Finish	Black	

Remarks: This is a preliminary datasheet for reference.

Simulation DATA

Marker1 200 [MHz]
-0.008 -53.202
Marker2 400 [MHz]
-22.990 -0.238
Marker3 405 [MHz]
-22.408 -0.230
Marker4 435 [MHz]
-22.175 -0.209
Marker5 470 [MHz]
-22.990 -0.238
Marker6 800 [MHz]
-0.003 -68.686



Marker1 200 [MHz]
0.326
Marker2 400 [MHz]
9.071
Marker3 405 [MHz]
8.580
Marker4 435 [MHz]
7.635
Marker5 470 [MHz]
9.071
Marker6 800 [MHz]
0.131

