

PRODUCT SPECIFICATION FOR INFORMATION

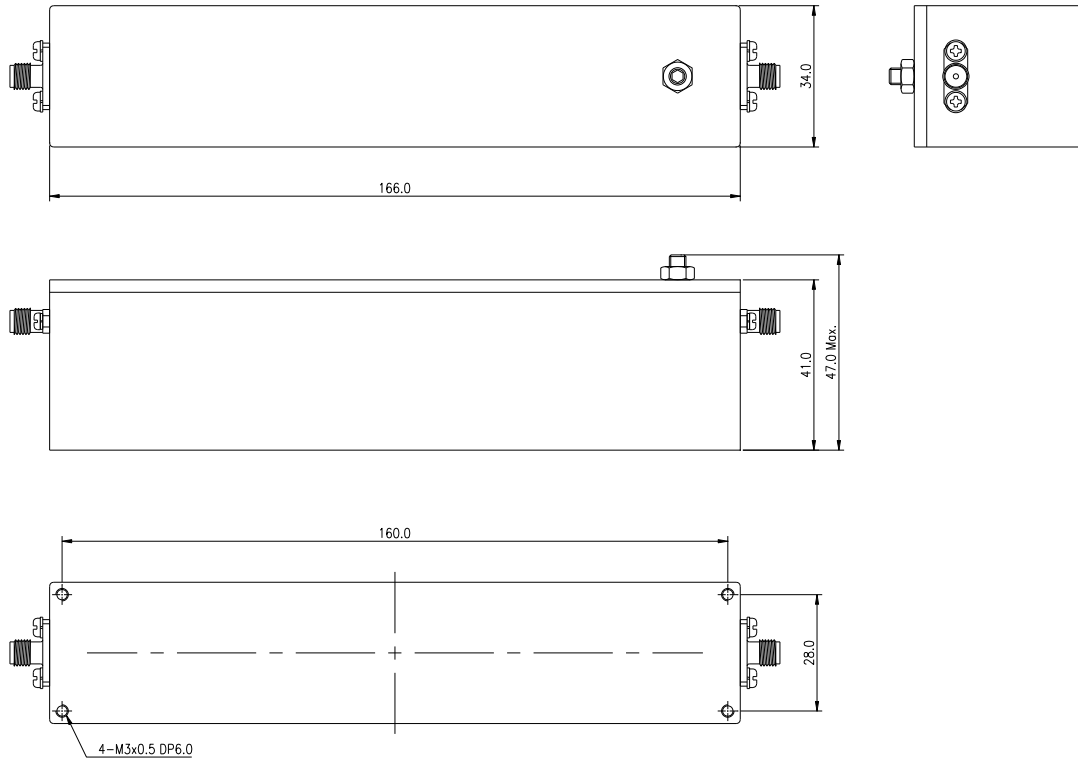
PRELIMINARY SPECIFICATION

Product Name : Cavity Band Pass Filter

Part No : MBP-C1387-446MS-A-R0

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

■ Mechanical Drawing



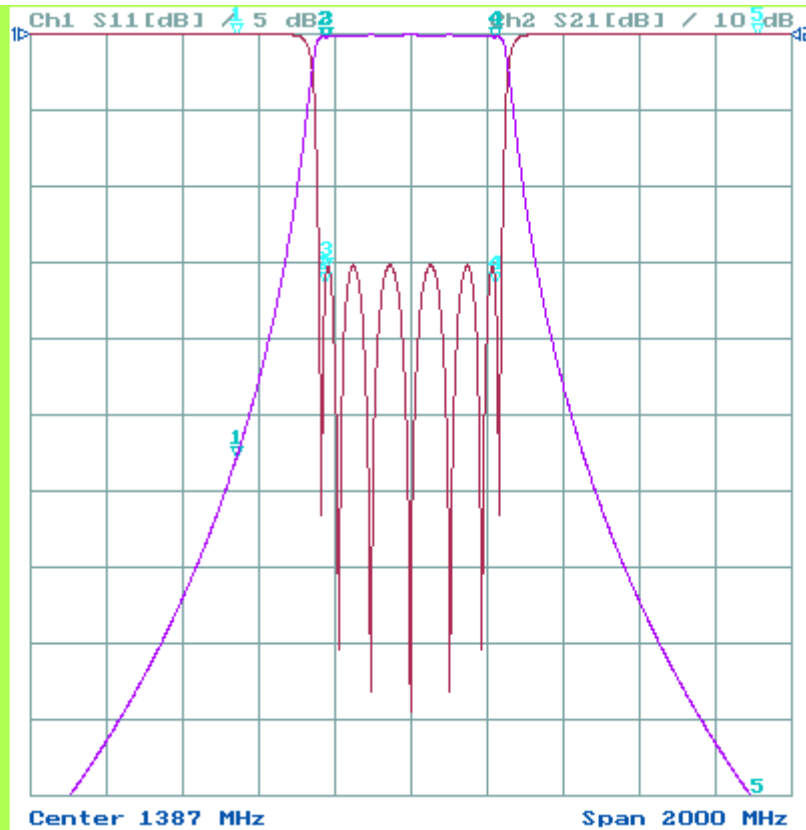
■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	1387MHz	
2. Bandwidth [BW]	$F_c \pm 223\text{MHz}$ [1164~1610MHz]	
3. Insertion Loss in BW	1.0dB Max.	
4. Return Loss	10dB Min.	
5. Rejections	40dB Min @ DC~930MHz	
	60dB Min @ $\geq 2300\text{MHz}$	@ $\geq 2300\sim 2800\text{MHz}$
6. Pass Band Delta	0.25dB Max.(any 5MHz Band)	
7. Group Delay Delta	5ns Max.(any 5MHz Band)	
8. Impedance	50Ohm	
9. Operating Temperature	-30°C ~ +75°C	
10. Storage Temperature	-30°C ~ +85°C	
11. Power Handling	10W CW Max.	
12. Humidity, relative, non-condensing	0~90%	
13. Size (W × D × H)	34.0x166.0x47.0 mm	Exclude Connector.
14. Weight(g)	800g	
15. Connectors	SMA(F)	
16. Finish	Black	

Remarks: This is a preliminary datasheet for reference.

Simulation DATA

Marker1 930 [MHz]
-0.026 -55.741
Marker2 1164 [MHz]
-16.426 -0.527
Marker3 1169 [MHz]
-15.422 -0.527
Marker4 1610 [MHz]
-16.426 -0.527
Marker5 2300 [MHz]
-0.005 -101.426



Marker1 930 [MHz]
0.419
Marker2 1164 [MHz]
6.630
Marker3 1169 [MHz]
6.192
Marker4 1610 [MHz]
6.630
Marker5 2300 [MHz]
0.080

