

PRODUCT SPECIFICATION FOR INFORMATION

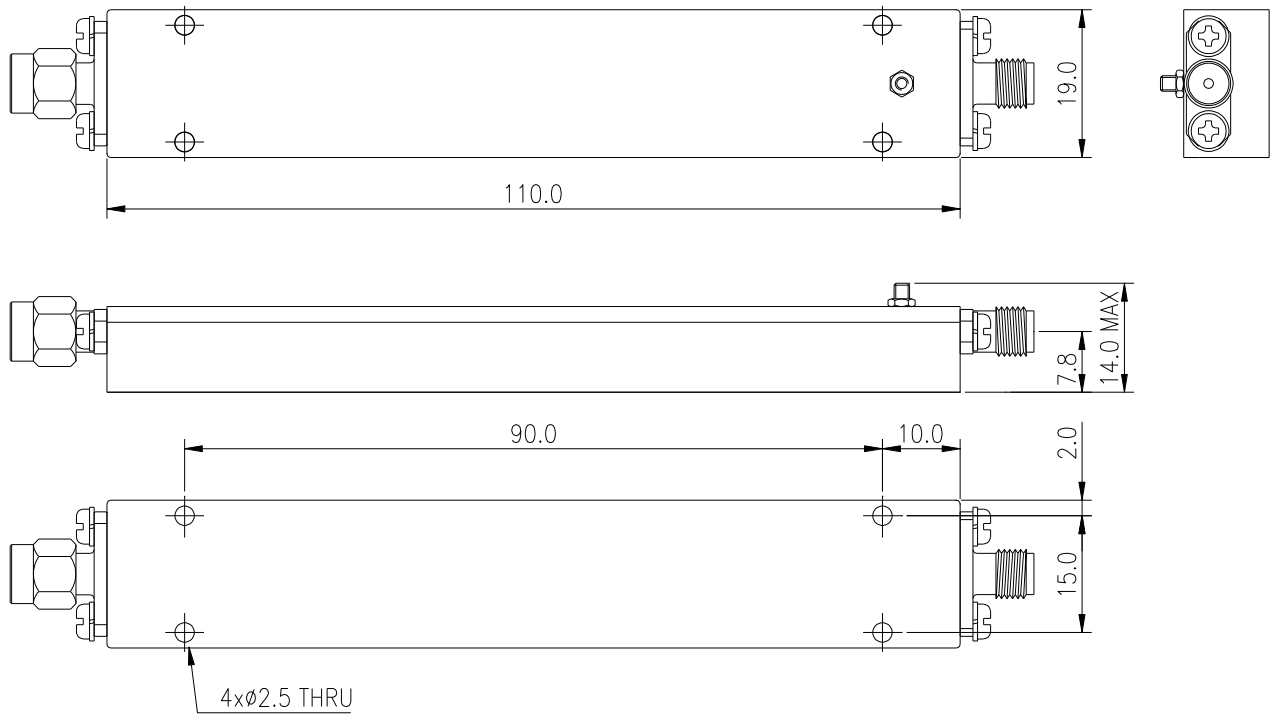
PRELIMINARY SPECIFICATION

Product Name : Cavity Band Pass Filter

Part No : MBP-C8G-3.6GS-A-R0

	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2023.09.14	Jeffrey Chung	Michael Jeon

■ Mechanical Drawing



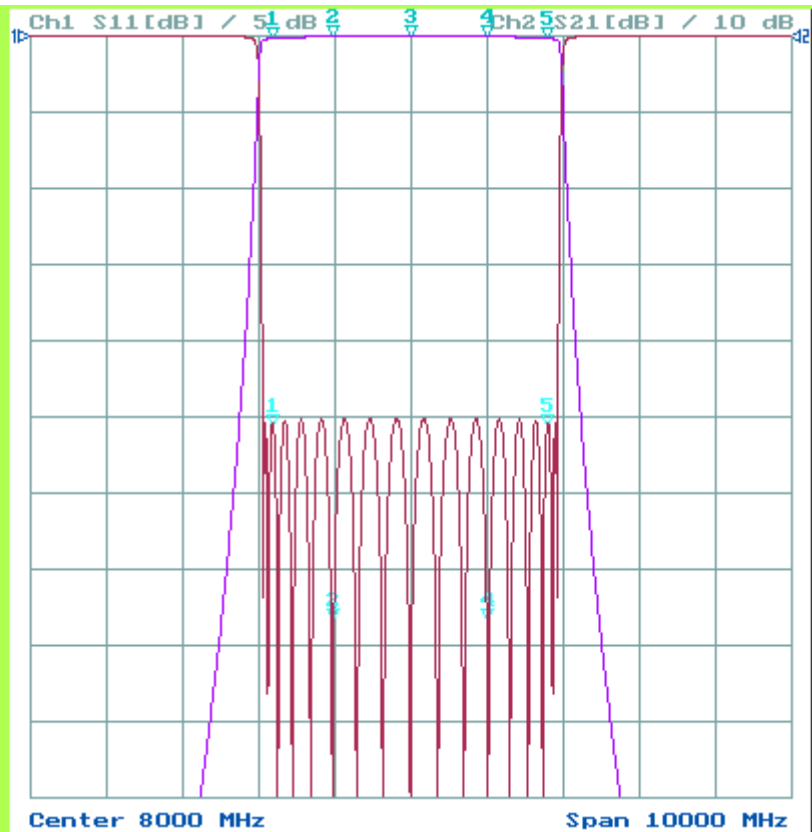
■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	8000MHz	
2. Bandwidth [BW]	Fc ±1800MHz[6200~9800MHz]	
3. Insertion Loss in BW	1.0dB Max.	
4. Ripple	0.35dB Max@7000~9000MHz	
	0.5dB Max@6200~9800MHz	
5. Return Loss	15dB Min.	Proposed
6. Group Delay	3.0ns Max. @Peak-Peak in the range of 6200~9800MHz	
7. Group Delay Flatness	1.5ns typ. @Peak-Peak in the range of 7000~9000MHz	Proposed
	3.0ns typ. @Peak-Peak in the range of 6200~9800MHz	Proposed
8. Rejections	80dB Min @DC~5300MHz	
	50dB Min @5300~5700MHz	
	80dB Min @10550~14000MHz	Proposed
9. Impedance	50Ohm	
10. Operating Temperature	-40°C ~ +80°C	
11. Power Handling	5Watt	
12. Size (W × D × H)	19.0x 110.0 x 11.0 mm	Exclude Tuning Screw
13. Connectors	SMA-Male / SMA-Female	
14. Material	Housing : H62 Copper alloy	Al
	Cover: H62 Copper alloy	Al
	Tunning screw : H62 Copper alloy	stainless steel
	Connector : stainless steel	Bs
	Other screw : stainless steel	
15. Net weight	TBD	
16. Finish	Black	TBD

Remarks: This is a preliminary datasheet for reference.

■ Simulation Curve

Marker1 6200 [MHz]
-25.574 -0.406
Marker2 7000 [MHz]
-38.405 -0.216
Marker3 8000 [MHz]
-57.203 -0.189
Marker4 9000 [MHz]
-38.405 -0.216
Marker5 9800 [MHz]
-25.574 -0.406



Marker1 5300 [MHz]
-0.032 -95.798
Marker2 5700 [MHz]
-0.076 -57.689
Marker3 8000 [MHz]
-57.203 -0.189
Marker4 10550 [MHz]
-0.041 -83.261

