

PRODUCT SPECIFICATION FOR INFORMATION

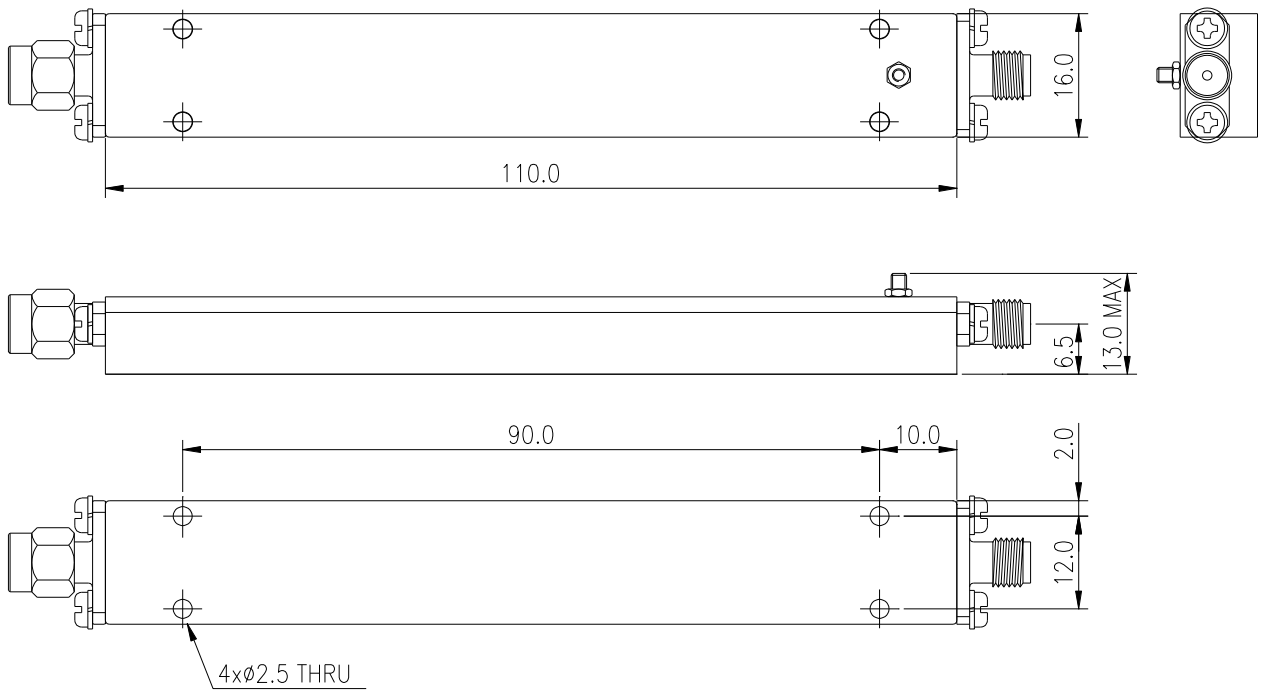
PRELIMINARY SPECIFICATION

Product Name : Cavity Band Pass Filter

Part No : MBP-C8G-1.8GS-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 ±900MHz[7100~8900MHz]	
3. Insertion Loss in BW	1.3dB Max.	
4. Ripple	0.25dB Max@7500~8500MHz	
	0.6dB Max@7100~8900MHz	
5. Return Loss	15dB Min.	Proposed
6. Group Delay	5.8ns Max. @Peak-Peak in the range of 7100~8900MHz	
7. Group Delay Flatness	2.0ns typ. @Peak-Peak in the range of 7500~8500MHz	Proposed
	5.8ns typ. @Peak-Peak in the range of 7100~8900MHz	Proposed
8. Rejections	80dB Min @DC~6600MHz	
	30dB Min @6600~6900MHz	
	30dB Min @9100~9350MHz	
	80dB Min @9350~17000MHz	Proposed
9. Impedance	50Ohm	
10. Operating Temperature	-40°C ~ +80°C	
11. Power Handling	5Watt	
12. Size (W × D × H)	16.0x 110.0 x 10.0 mm	Exclude Tuning Screw
13. Connectors	SMA-Male / SMA-Female	
14. Material	Housing : H62 Copper alloy	Al
	Cover: H62 Copper alloy	Al
	Tuning 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

