

PRODUCT SPECIFICATION FOR INFORMATION

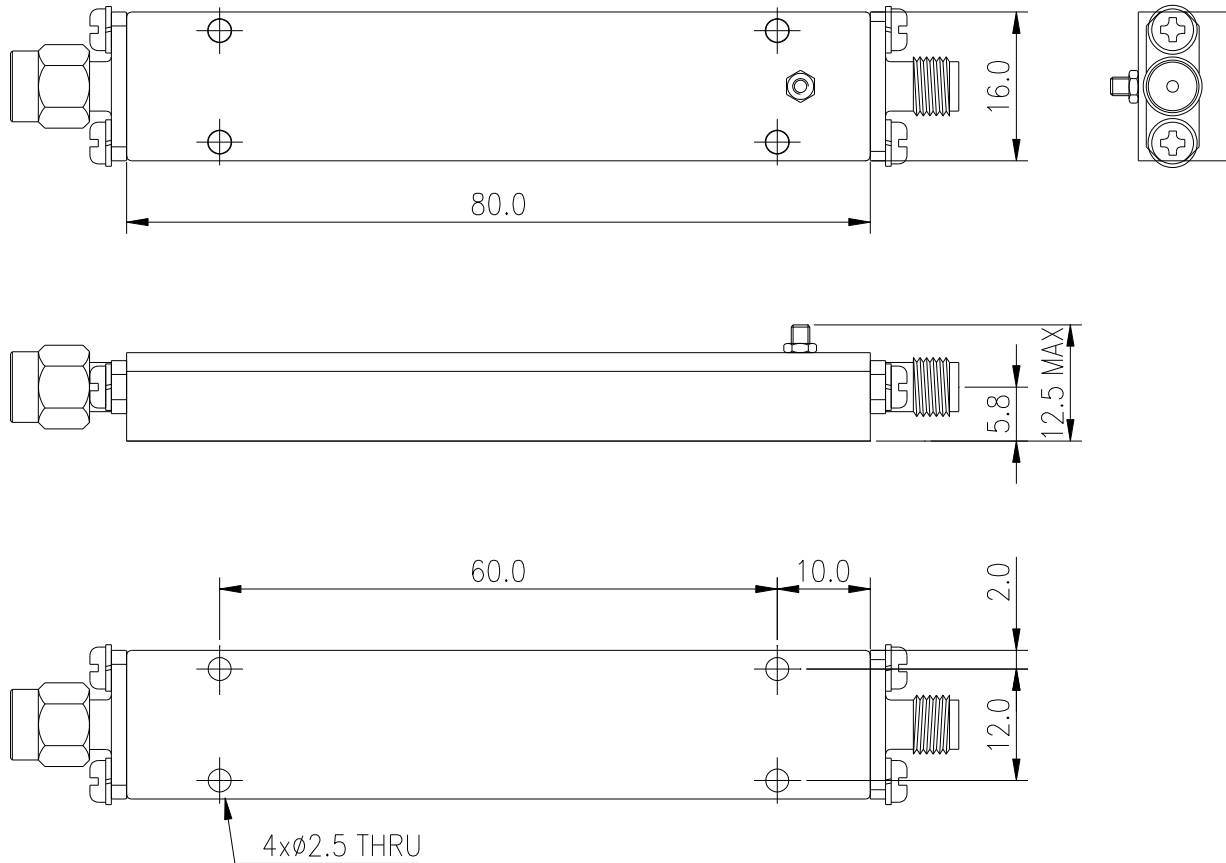
PRELIMINARY SPECIFICATION

Product Name : Cavity Band Pass Filter

Part No : MBP-C19.5G-4GS-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	19500MHz	
2. Bandwidth [BW]	Fc ±2000MHz[17500~21500MHz]	
3. Insertion Loss in BW	1.1dB Max.	
4. Ripple	0.35dB Max@17900~21100MHz	
	0.5dB Max@17500~21500MHz	
5. Return Loss	15dB Min.	Proposed
6. Group Delay	2.7ns Max. @Peak-Peak in the range of 17500~21500MHz	
7. Group Delay Flatness	1.5ns typ. @Peak-Peak in the range of 17900~21100MHz	Proposed
	2.7ns typ. @Peak-Peak in the range of 17500~21500MHz	Proposed
8. Rejections	60dB Min @DC~16600MHz	Proposed
	40dB Min @16600~16900MHz	Proposed
	40dB Min @22150~22350MHz	Proposed
	60dB Min @22350~28000MHz	Proposed
9. Impedance	50Ohm	
10. Operating Temperature	-40°C ~ +80°C	
11. Power Handling	5Watt	
12. Size (W × D × H)	16.0x 80.0 x 9.5 mm	Exclude Tuning Screw
13. Connectors	2.92mm(k)-Male/2.92mm(k)-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	0.09kg	
16. Finish	Black	TBD

Remarks: This is a preliminary datasheet for reference.

■ Simulation Curve

