

PRODUCT SPECIFICATION FOR INFORMATION

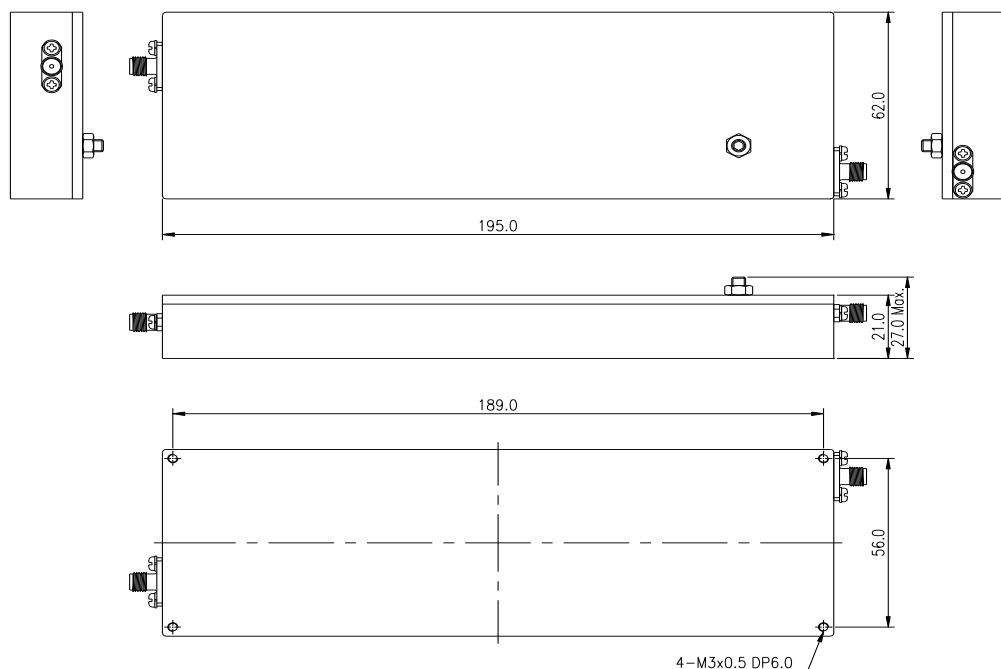
PRELIMINARY SPECIFICATION

Product Name : Cavity Band Pass Filter

Part No : MBP-C3600-400MS-A-R0

No	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2024.12.19	Jeffrey Chung	Michael Jeon

■ Mechanical Drawing



■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	3600MHz	OK
2. Bandwidth [BW]	$F_c \pm 200\text{MHz}$ [3400~3800MHz]	OK
3. Insertion Loss in BW	1.5dB Max. (1.0dB typ)	OK
4. Ripple	1.0dB Max.	OK
5. Return Loss	12dB Min. (15dB Typ.)	OK
6. Attenuation	59dB Min. (79dB typ.) @ DC~3000MHz	OK
	29dB Min. (34dB typ.) @ 3000~3360MHz	OK
	54dB Min. (69dB typ.) @ 3840~4300MHz	OK
	49dB Min. @ 4300~7650MHz	OK
	29dB Min. (39dB typ.) @ 7650~13000MHz	OK
7. Impedance	50Ohm	OK
8. Operating Temperature	-10°C ~ +60°C	Proposal
9. Power Handling	Avg : 80W Min. 100W Max. Peak : 563W Min. 800W Max.	OK
10. Size (W × D × H)	82.0 × 195.0 × 27.0 mm	Proposal
11. Connector	SMA (F)	OK
12. Finish	Black	TBD

Remarks: This is a preliminary datasheet for reference.

■ Simulation DATA

