

PRODUCT SPECIFICATION FOR INFORMATION

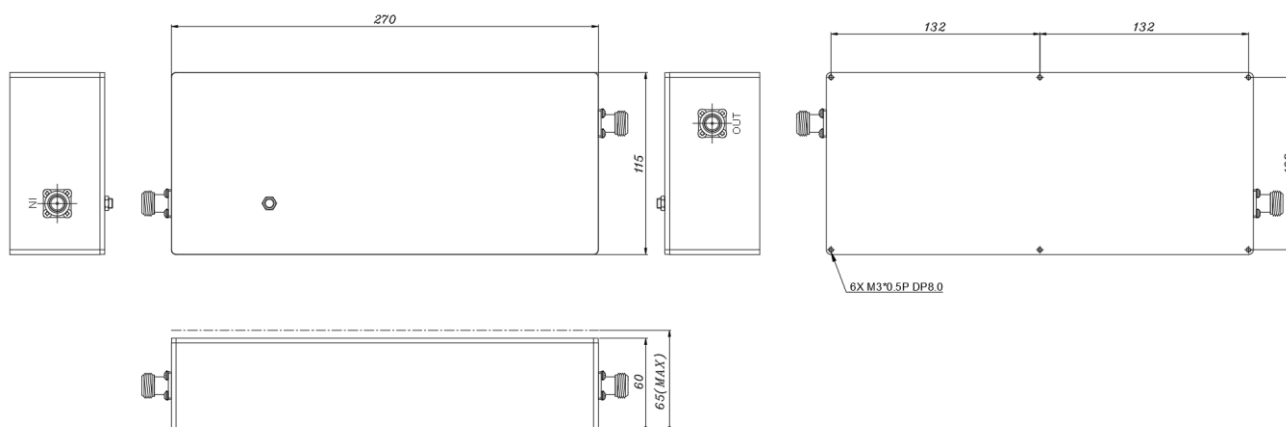
PRELIMINARY SPECIFICATION

Product Name : Band Pass Filter

Part No : MBP-C419_2MN-A-R1

	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2025.04.25	Jeffrey Chung	Michael Jeon
2	R1	Change rejection & size	2025.05.07	Jeffrey Chung	Michael Jeon

■ Mechanical Drawing



■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	419 MHz	OK
2. Bandwidth [BW]	Fc ±1MHz[418~420MHz]	OK
3. Insertion Loss in BW	1.35dB Max.	OK
4. Ripple	0.2dB Max.	OK
5. Return Loss	17dB Min.	OK
6. Rejections	55dB(min.) @ 20-88MHz	OK
	55dB(min.) @ 150-204MHz	OK
	70dB(min.) @ 220-400MHz	OK
	80dB(min.) @ 402- 412.5 MHz	OK
	75dB(min.) @ 426-450MHz	OK
	85dB(min.) @ 450-1000MHz	OK
7. In/Out Impedance	50 Ohm	OK
8. Operating Temperature	-10 ~ +85°C	OK
9. Power Handling	75W Max.	OK
10. Size (W × D × H)	270 x 115 x 65 [mm]	Proposed
11. Random Vibration	MIL-STD-810F method 541.5 Procedure C1. 3axes, 20min.per each axis.	OK
12. Dust	MIL-STD-810F method 514.4 Procedure 3 settling dust	OK
13. Interface	N-Type(F)	OK
14. Finish	Black Epoxy	TBD

Remarks: This is a preliminary datasheet for reference.

Simulation Curve

