

PRODUCT SPECIFICATION FOR INFORMATION

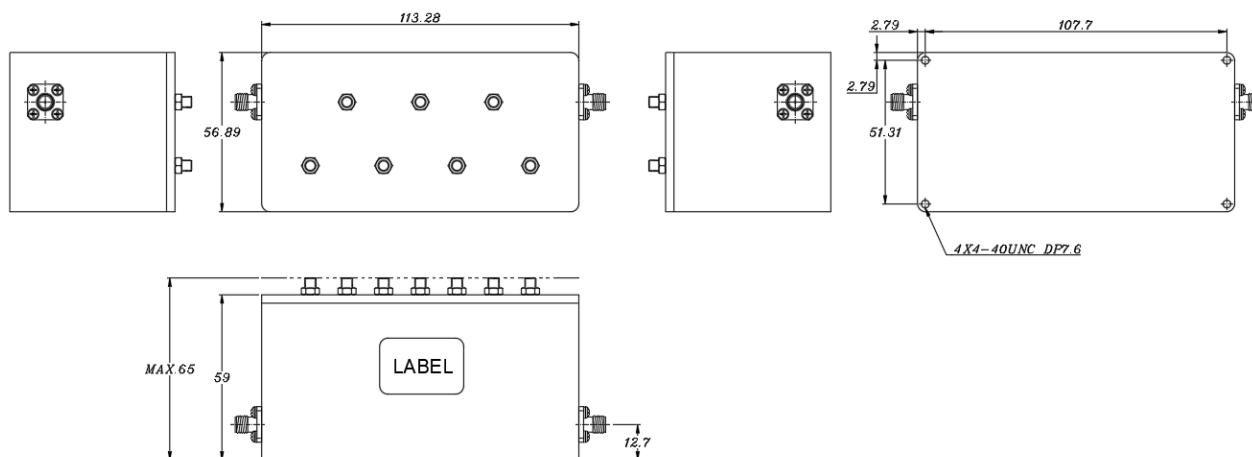
PRELIMINARY SPECIFICATION

Product Name : Cavity Band Pass Filter

Part No : MBP-C897.5_35MS-A-R1

	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2024.01.16	Jeffrey Chung	Michael Jeon
2	R1	Specification Update	2025.02.27	Jeffrey Chung	Michael Jeon

■ Mechanical Drawing



■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	897.5 MHz	OK
2. Bandwidth [BW]	$F_c \pm 17.5\text{MHz}$ [880~915MHz]	OK
3. Insertion Loss in BW	1.5dB Max.	OK
4. Ripple	1.0dB Max.	OK
5. Return Loss	- 17dB(Max.), <1.33:1.	OK
6. Rejections	40dB(min.) @ 10-840MHz	OK
	50dB(min.)@ 925-960MHz	OK
7. In/Out Impedance	50 Ohm	OK
8. Operating Temperature	-10 ~ +70°C	OK
9. Power Handling	1W Max.	OK
10. Size (W × D × H)	113.28x56.89x59.06 [mm]	Proposed
11.Interface	SMA(F)	OK
12. Finish	Epoxy gray	Proposed

Remarks: This is a preliminary datasheet for reference.

Simulation Curve

