

PRODUCT SPECIFICATION FOR INFORMATION

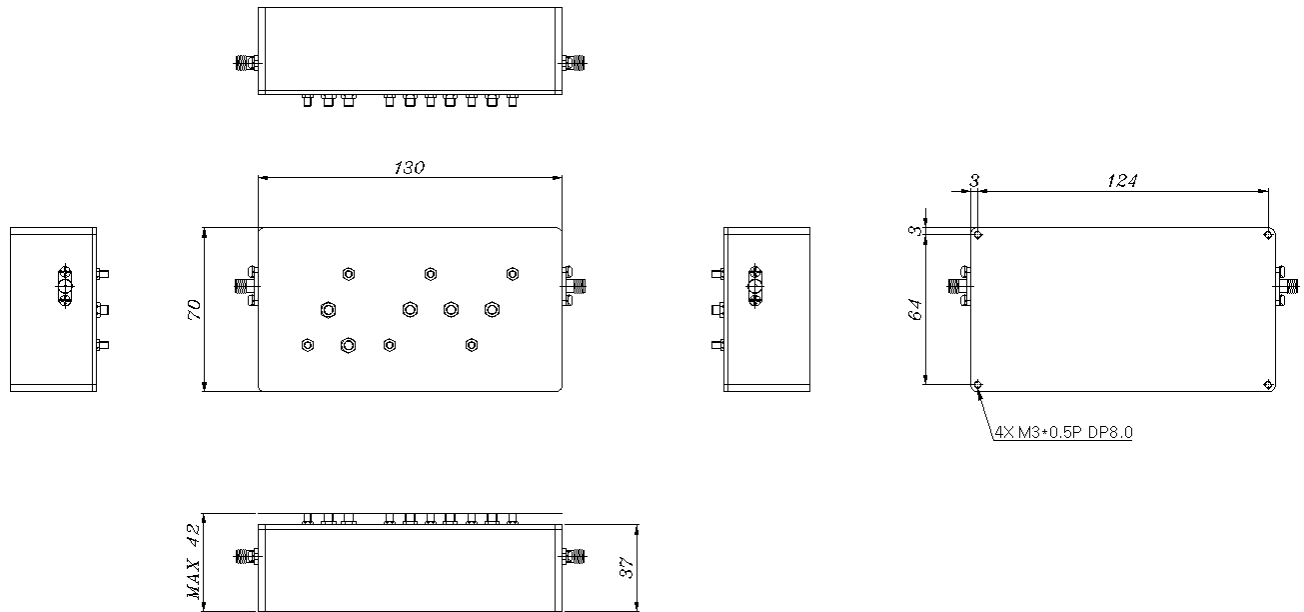
PRELIMINARY SPECIFICATION

Product Name : Cavity _Band Pass Filter (UL)

Part No : MBP-C717_38MS-A-R0

No	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2024.12.26	Jeffrey Chung	Michael Jeon

■ Mechanical Drawing



■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	717MHz	OK
2. Bandwidth [BW]	$F_c \pm 19\text{MHz}$ [698~736MHz]	OK
3. Insertion Loss in BW	1.0dB (Typ.), 1.5dB (Max.)	OK
4. Return Loss	16dB Min.	Proposal
5. Rejections	50dB Min @ 10~657MHz	OK
	50dB Min @ 753~2500MHz	OK
6. Impedance	50Ohm	OK
7. Operating Temperature	-10°C ~ +70°C	OK
8. Power Handling	10W Max.	OK
9. Size (W × D × H)	130.0 × 70.0 × 37.0 mm (Max 42mm)	Proposal
10. Connector	SMA (F)	OK
11. Finish	Black Painting	TBD

Remarks: This is a preliminary datasheet for reference.

■ Simulation Data

Insertion loss
[dB]

I1
freq=698.00MHz
dB(S(2,1))=-0.4058

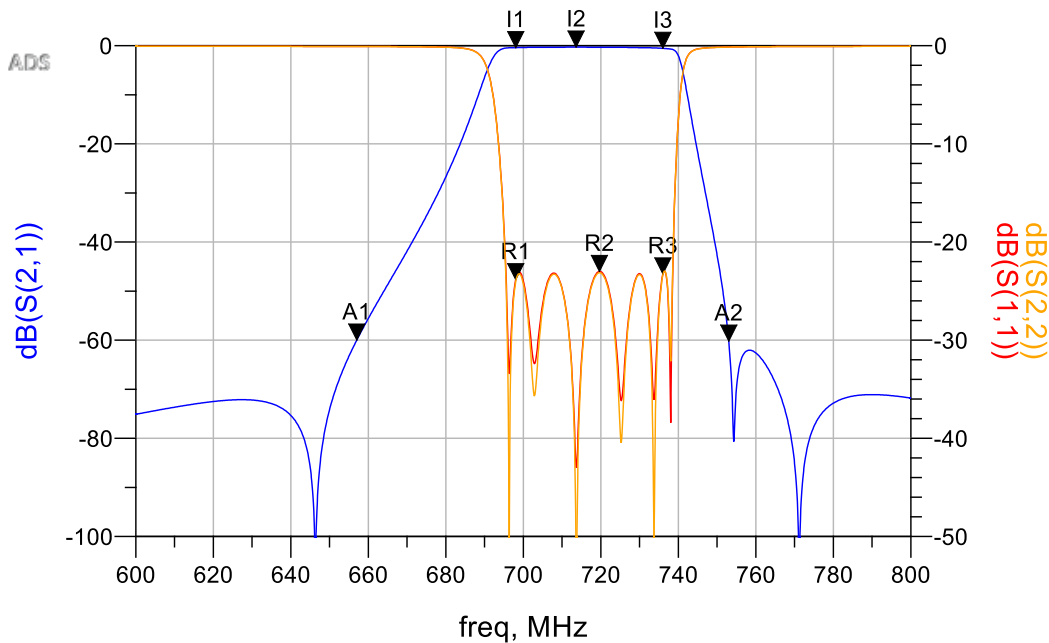
I2
freq=713.60MHz
dB(S(2,1))=-0.3047
Max

I3
freq=736.00MHz
dB(S(2,1))=-0.5539

Rejection [dB]

A1
freq=657.00MHz
dB(S(2,1))=-60.0069

A2
freq=753.00MHz
dB(S(2,1))=-60.2017



Return loss
[dB]

R1
freq=698.00MHz
dB(S(1,1))=-23.8466

R2
freq=719.60MHz
dB(S(1,1))=-23.0036

R3
freq=736.00MHz
dB(S(1,1))=-23.2721