

PRODUCT SPECIFICATION FOR INFORMATION

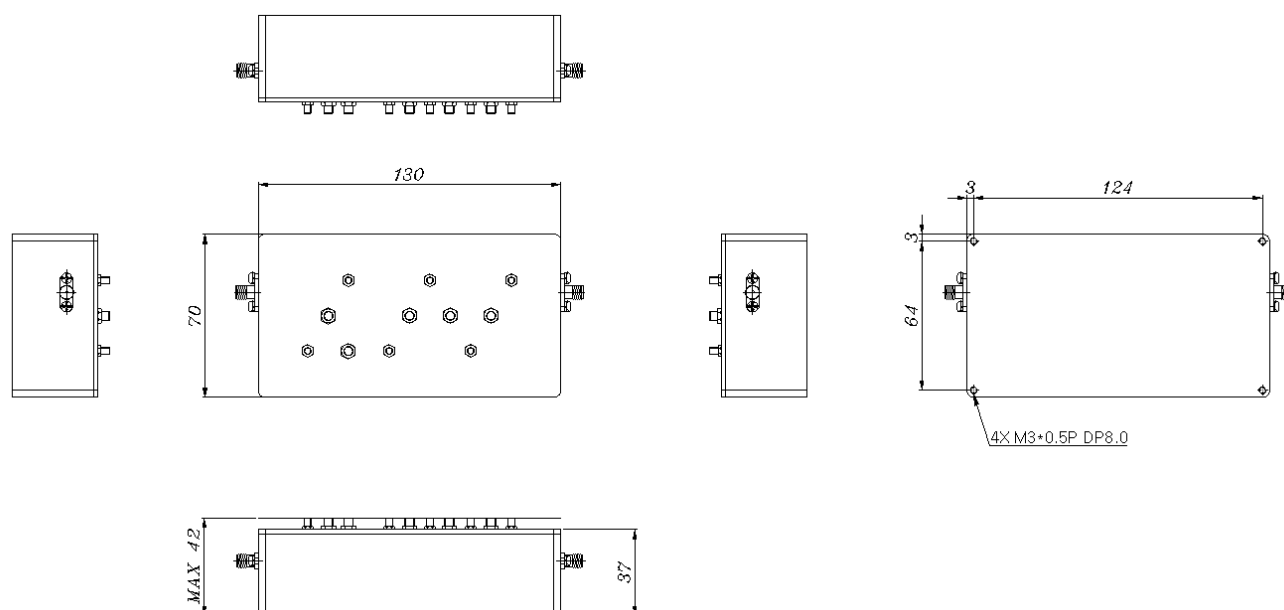
PRELIMINARY SPECIFICATION

Product Name : Cavity _Band Pass Filter (DL)

Part No : MBP-C772_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	772MHz	OK
2. Bandwidth [BW]	$F_c \pm 19\text{MHz}$ [753~791MHz]	OK
3. Insertion Loss in BW	1.0dB (Typ.), 1.5dB (Max.)	OK
4. Return Loss	16dB Min.	Proposal
5. Rejections	50dB Min. @ 10~736MHz	OK
	50dB Min. @ 896~2500MHz	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 x 70.0 x 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=753.00MHz
dB(S(2,1))=-0.5782

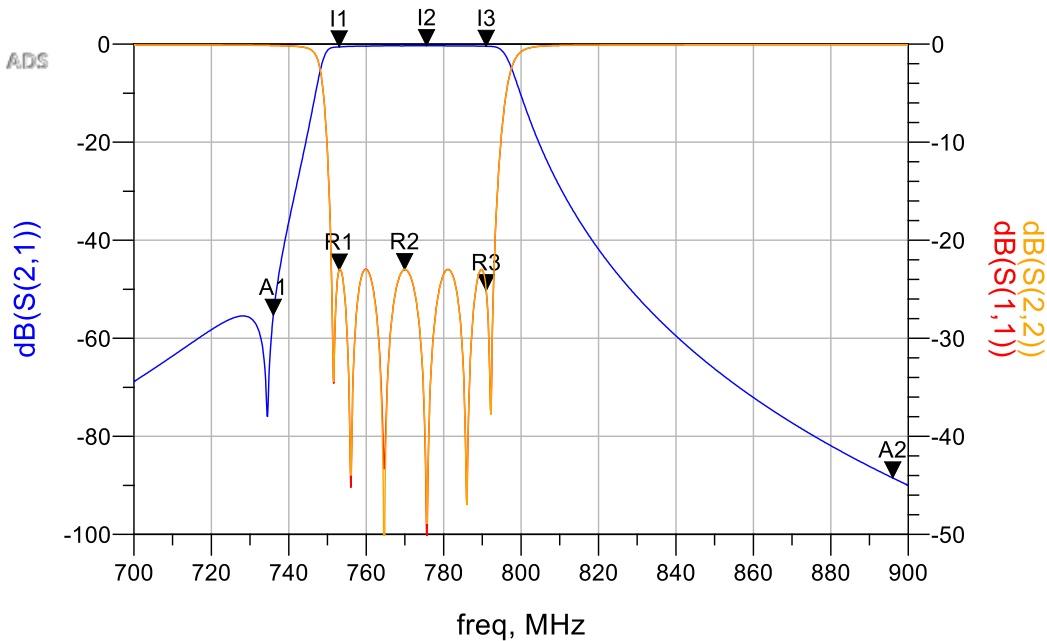
I2
freq=775.60MHz
dB(S(2,1))=-0.3304
Max

I3
freq=791.00MHz
dB(S(2,1))=-0.4452

Rejection [dB]

A1
freq=736.00MHz
dB(S(2,1))=-55.3296

A2
freq=896.00MHz
dB(S(2,1))=-88.5029



Return loss
[dB]

R1
freq=753.00MHz
dB(S(1,1))=-23.0602

R2
freq=769.90MHz
dB(S(1,1))=-23.0043

R3
freq=791.00MHz
dB(S(1,1))=-25.1625