

PRODUCT SPECIFICATION FOR INFORMATION

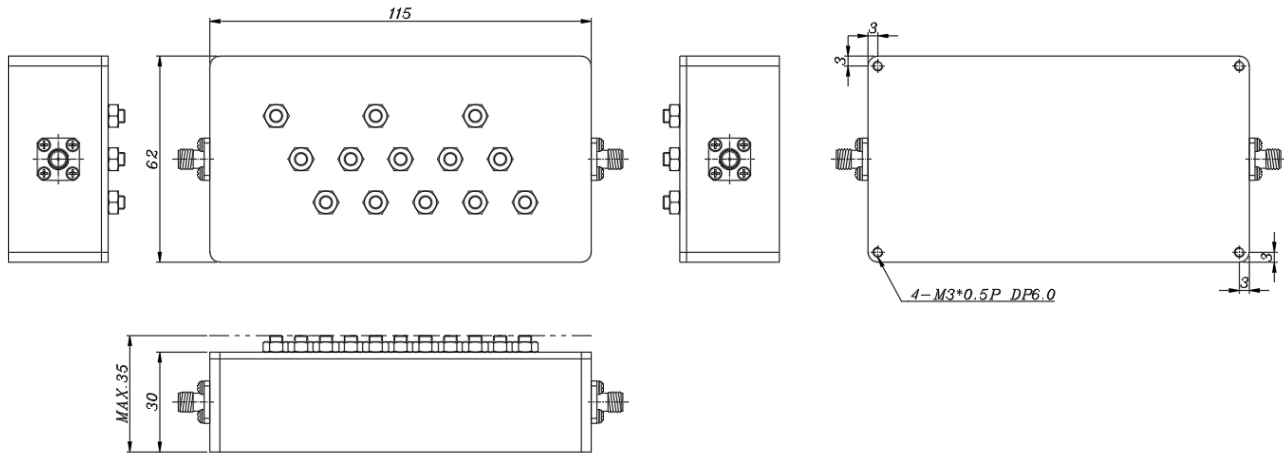
PRELIMINARY SPECIFICATION

Product Name : Cavity Band Pass Filter

Part No : MBP-C1330_60MS-A-R0

	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2024.03.04	Jeffrey Chung	Michael Jeon

■ Mechanical Drawing



■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	1330MHz	OK
2. Bandwidth [BW]	$F_c \pm 30\text{MHz}$ [1300~1360MHz]	OK
3. Insertion Loss in BW	1.0dB Max.	OK
4. Return Loss	14dB Min.	OK
5. Rejections	60dB Min @ 100~1250MHz	OK
	60dB Min @ 1450~5000MHz	OK
6. Impedance	50Ohm	OK
7. Operating Temperature	-10°C ~ +60°C	OK
8. Power Handling	10W at 50% duty cycle	OK
9. Size (W × D × H)	115.0 x 62.0 x 30.0 mm	Proposal
10. Connector	SMA (F) _4H X 2	OK
12. Finish	Black Epoxy coating	TBD

Remarks: This is a preliminary datasheet for reference.

Simulation Data

Insertion loss

I1
freq=1.3000GHz
dB(S(2,1))=-0.7009

I2
freq=1.3300GHz
dB(S(2,1))=-0.5112

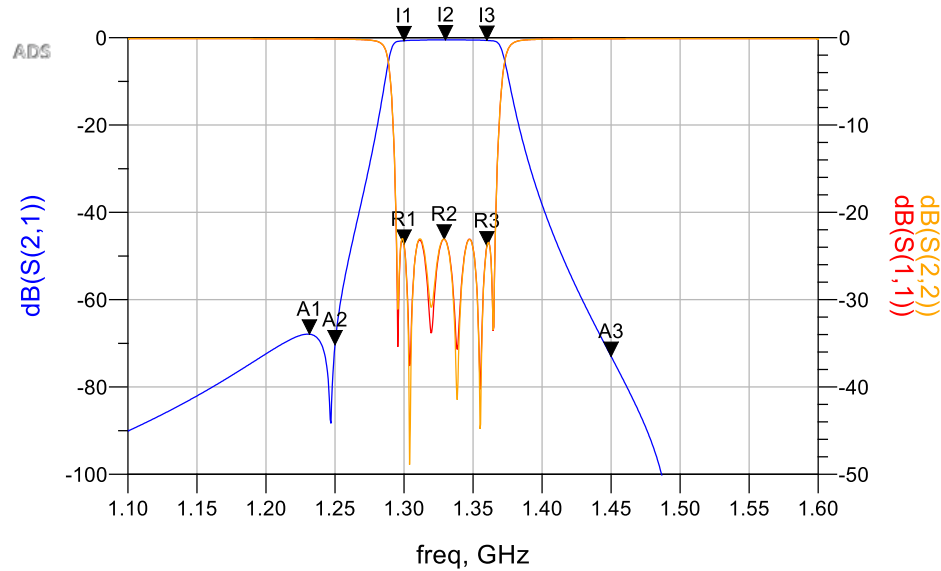
I3
freq=1.3600GHz
dB(S(2,1))=-0.6397

Attenuation

A1
freq=1.2315GHz
dB(S(2,1))=-67.9213

A2
freq=1.2500GHz
dB(S(2,1))=-70.3462

A3
freq=1.4500GHz
dB(S(2,1))=-73.0005



Return loss

R1
freq=1.3000GHz
dB(S(1,1))=-23.6716

R2
freq=1.3290GHz
dB(S(1,1))=-23.0722

R3
freq=1.3600GHz
dB(S(1,1))=-23.8459

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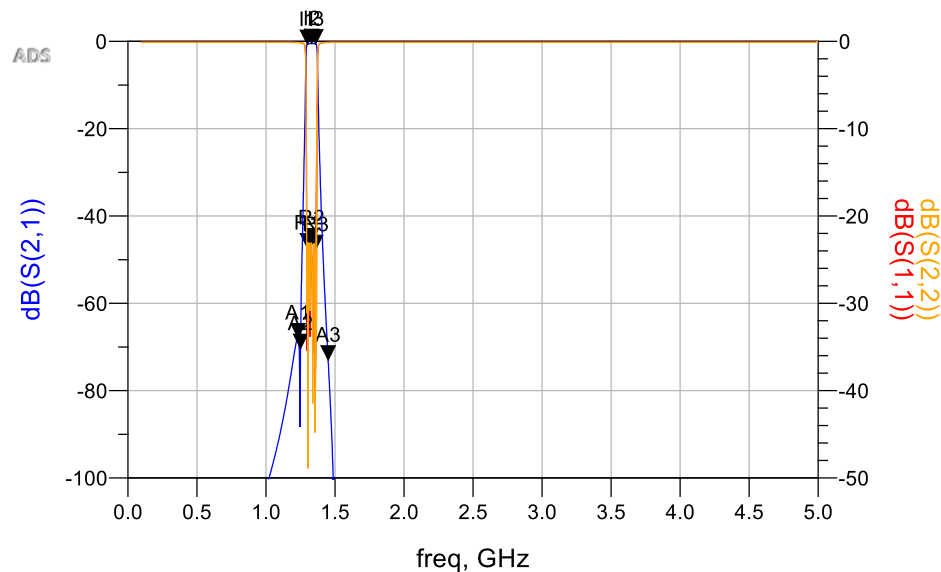
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