

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

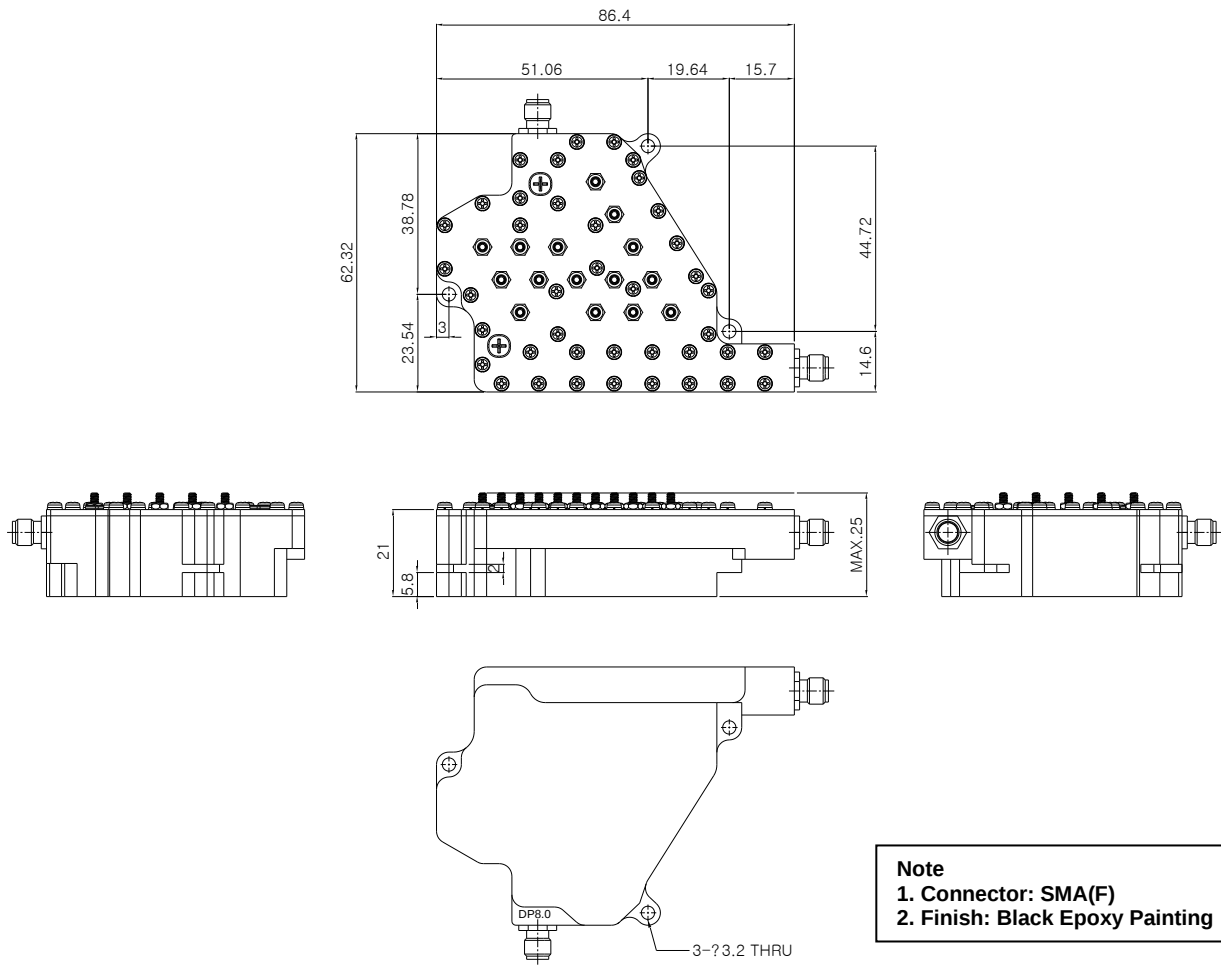
Product Name: Band Pass Filter

Part No: MBP-C2300_80MS-A-R0

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2023.02.15	Lee Seung Moon	Michael Jeon

■ Mechanical Drawing



■ Electrical Specification

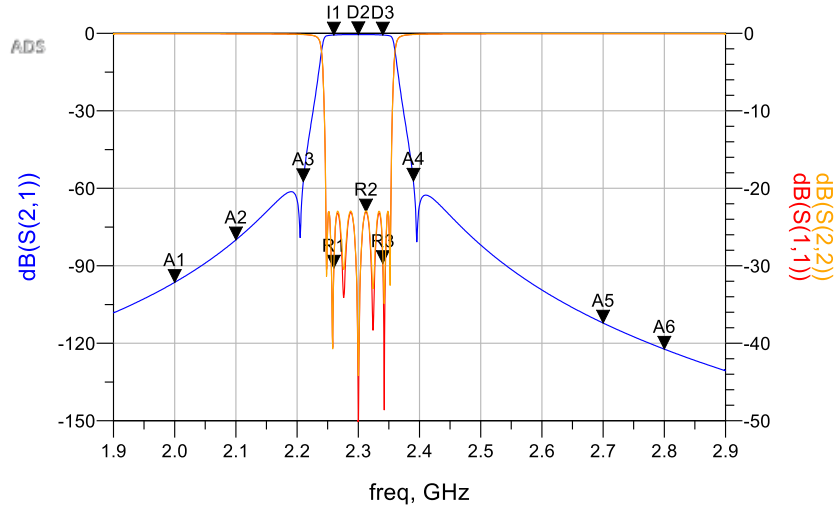
Parameter	Specification	Remark
1. Center Frequency	2300MHz	
2. Frequency Range	Fc ±80[2260~2340]MHz	
3. Insertion Loss	@ANT1<0.7dB Typ. 0.9dBMax.	
4. Return Loss	16dB Min.	
5. Rejection	80dBc Min.@ DC-2000MHz	
	45 dBc Min.@ 2100-2210MHz	
	45 dBc Min.@ 2390-2700MHz	
	80 dBc Min.@ 2800-6000MHz	
	60 dBc Min.@ 6000-1000MHz	
	80 dBc Min.@ 10000-20000MHz	
6. Input / Output Impedance	50Ω	
7. Power handling	70W	100% Duty cycle
8. Operation Temperature Range	-40°C to +71°C	

Remarks: This is a preliminary datasheet for reference.

Simulation Curve

Insertion loss
[dB]

I1 freq=2.2600GHz dB(S(2,1))=-0.6415	D2 freq=2.3000GHz dB(S(2,1))=-0.4754 Max	D3 freq=2.3400GHz dB(S(2,1))=-0.6504
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Rejection [dB]

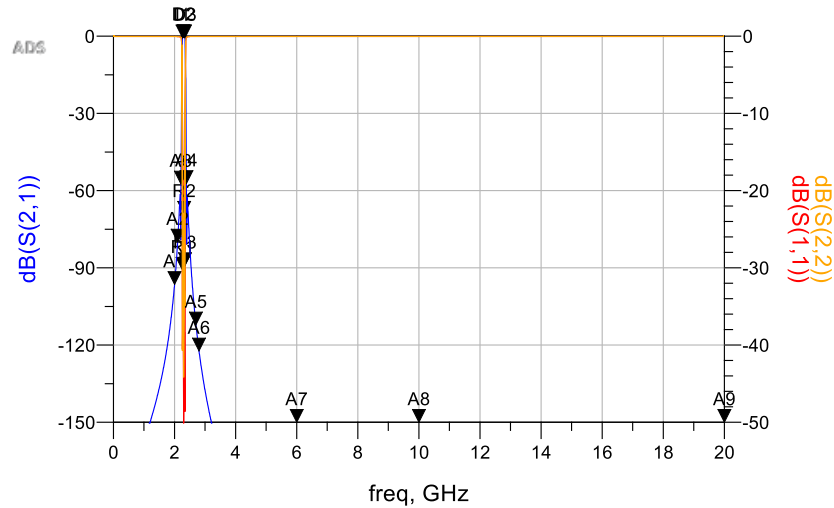
A1 freq=2.0000GHz dB(S(2,1))=-96.4277	A4 freq=2.3900GHz dB(S(2,1))=-57.2066
A2 freq=2.1000GHz dB(S(2,1))=-79.9791	A5 freq=2.7000GHz dB(S(2,1))=-112.1814
A3 freq=2.2100GHz dB(S(2,1))=-57.3993	A6 freq=2.8000GHz dB(S(2,1))=-122.2891

Return loss
[dB]

R1 freq=2.2600GHz dB(S(1,1))=-30.2947	R2 freq=2.3125GHz dB(S(1,1))=-23.0467	R3 freq=2.3400GHz dB(S(1,1))=-29.7155
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Insertion loss
[dB]

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	A7 freq=6.0000GHz dB(S(2,1))=-223.1885
	A8 freq=10.000GHz dB(S(2,1))=-267.5885
	A9 freq=20.000GHz dB(S(2,1))=-323.5231

Return loss
[dB]

R1 freq=2.2600GHz dB(S(1,1))=-30.2947	R2 freq=2.3125GHz dB(S(1,1))=-23.0467	R3 freq=2.3400GHz dB(S(1,1))=-29.7155
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