PRELIMINARY SPECIFICATION

Product Name : Cavity Band Pass Filter(15F2100)

Part No : MBP-C2140_80MN-A

	Rev. No.	Description	Date	Author	Final Approver
1	A	Draft	2021.08.27	Bryan Jeon	Michael Jeon

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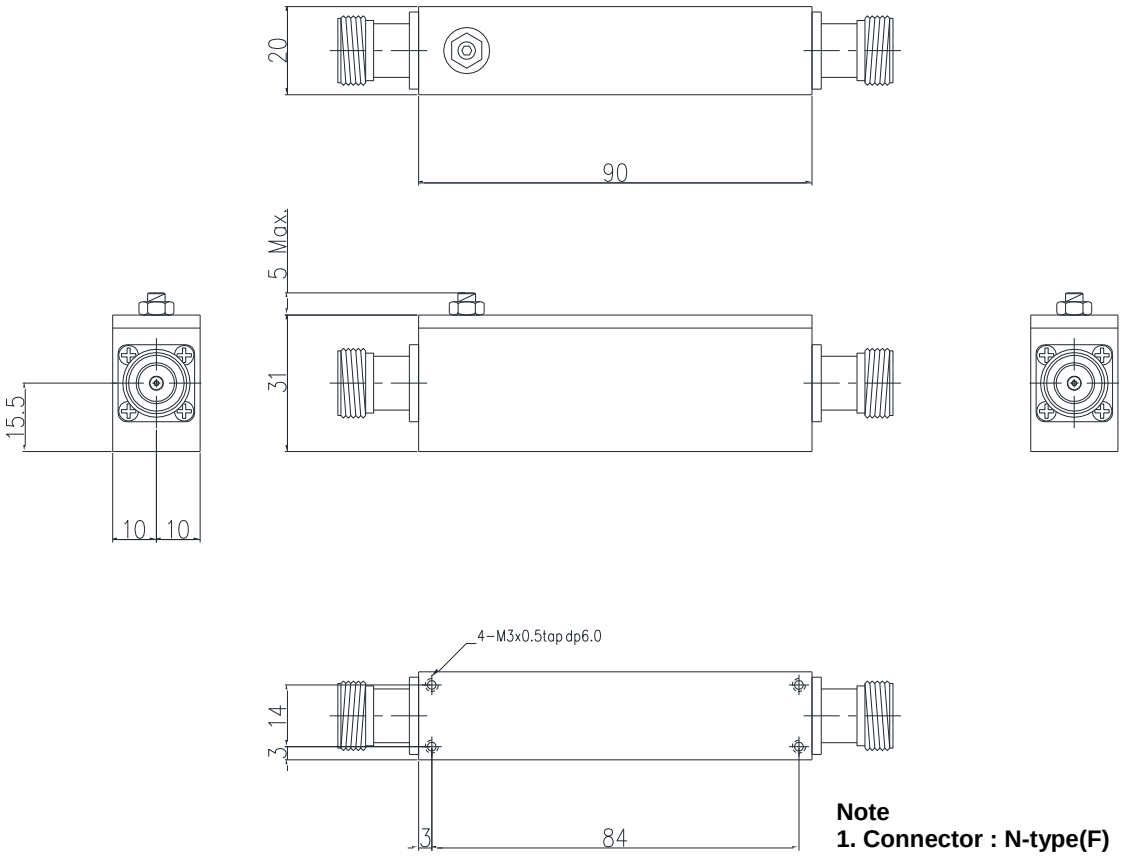
PRODUCT SPECIFICATION FOR INFORMATION

■ Mechanical Drawing



Note
1. Connector : N-type(F)
2. Finish : Black epoxy
3. Mounting : 4x holes

■ Electrical Specification

Parameter		Specification	Remark
1. Center Frequency [Fc]		2140MHz	
2. Pass Band [1dB BW]		2100~2180MHz (Fc ± 40MHz)	
3. Insertion Loss		1.5 dB Max.	
4. VSWR		1:1.4 Max.	
5. Rejection	DC~1980MHz	50 dB Min.	
	2400~6000MHz	60 dB Min.	
6. Power Handling		10W CW	
7. In/Out Impedance		50Ω	
8. Size		90.0 × 20.0 × 31.0 mm	proposal

Remarks: This is a preliminary datasheet for reference. The final performance is subject to the sample.

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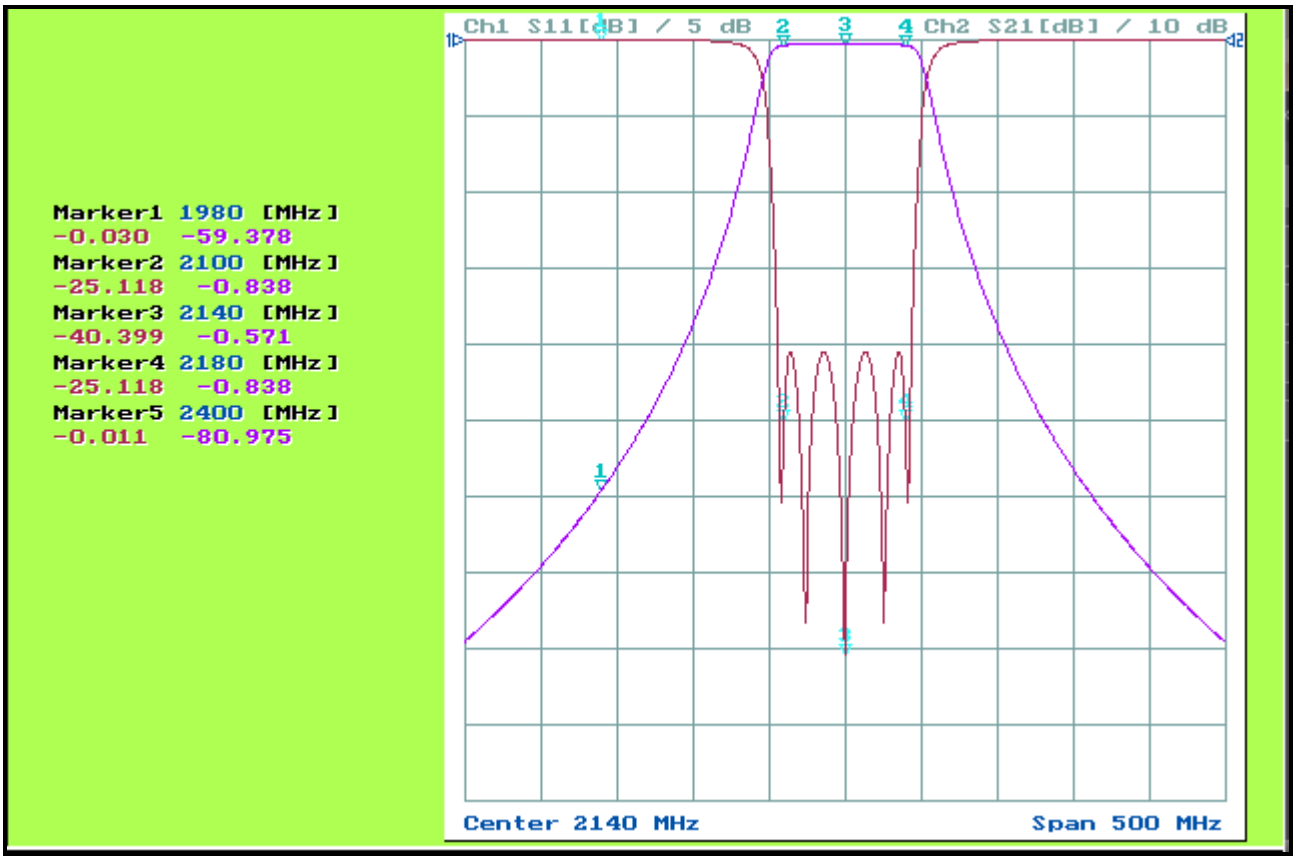
■ **Environmental Specification**

Parameter	Specification	Remark
1. Operation Temperature	-20℃ ~ +80℃	
2. Storage Temperature	-20℃ ~ +80℃	
3. Relative Humidity	10% ~ 95%	
4. Random Vibration	MIL-STD-810 F Method 514.4 Procedure C1. 3 Axis, 20 min per each axis	
5. Dust	MIL 810F Method 510.4 Procedure Ⅲ settling dust	
6. Safety Requirement	Approved according to UL/CE or similar standards	

Remarks: This is a preliminary datasheet for reference. The final performance is subject to the sample.

■ **Simulation Data**



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