

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

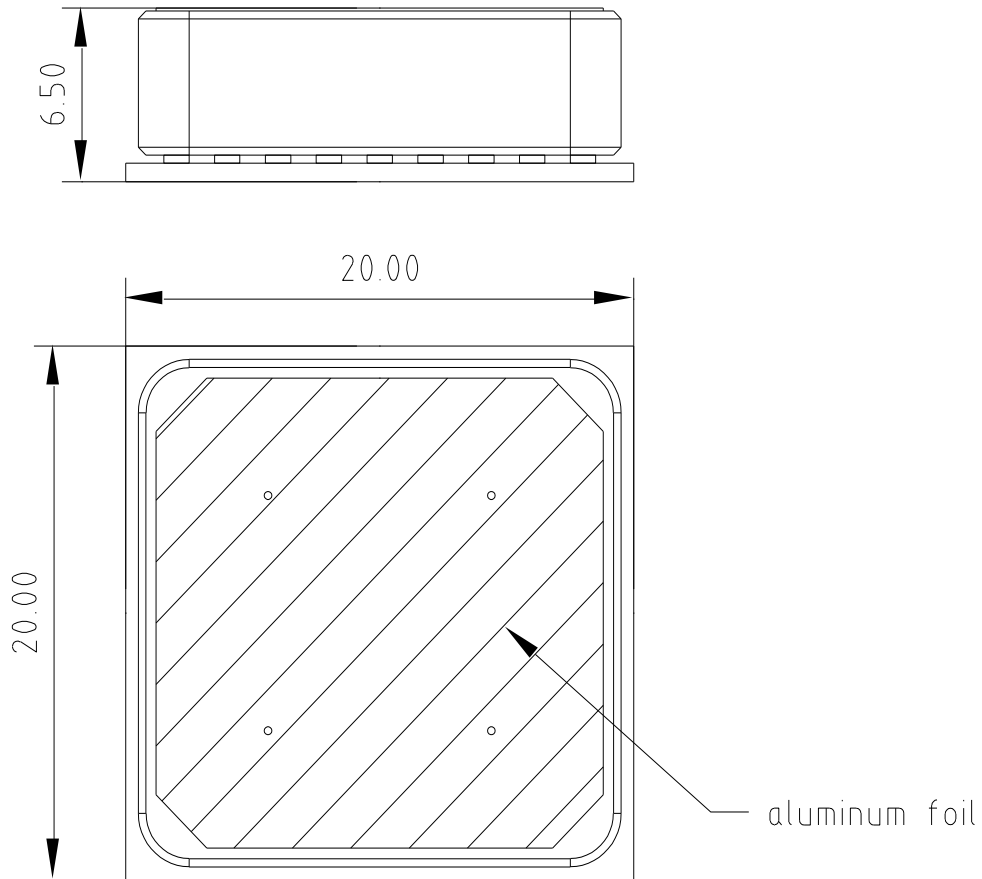
Product Name : Ceramic Band Pass Filter

Part No : MBP-C2180_40MM-C-R0

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2025.03.17.	Jeffrey Jeong	Michael Jeon
2					
3					
4					
5					
6					

■ Mechanical Drawing



GROUND



I/O PORT

Unit:mm

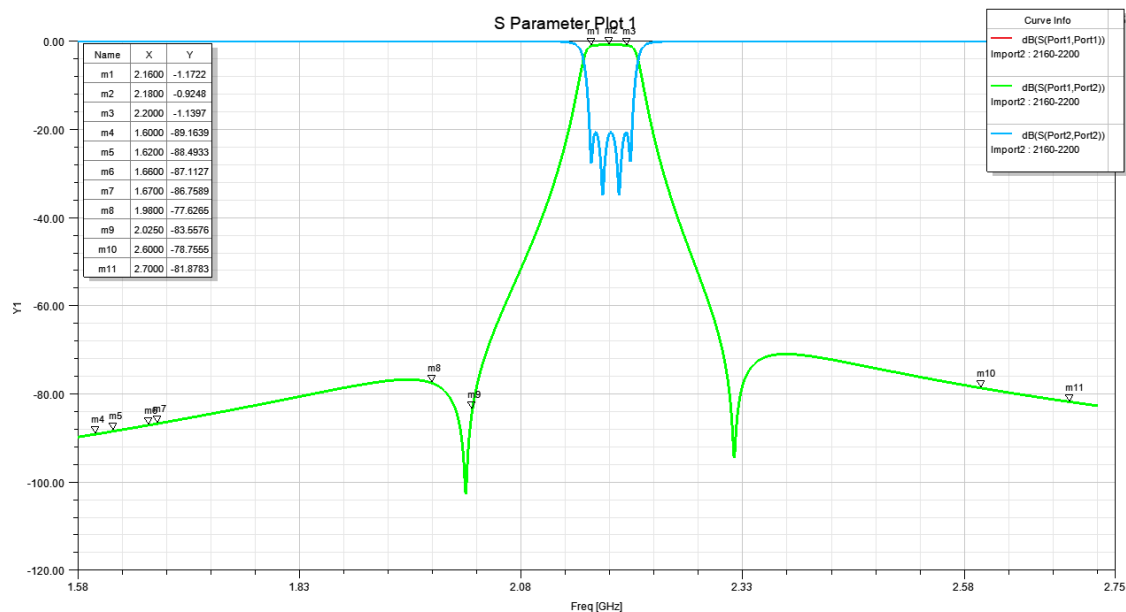
Tolerancet:±0.3

■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	2180.0MHz	
2. Bandwidth	40MHz [2160 ~ 2200MHz]	
3. Insertion Loss in BW	1.4dB Max.	
4. Insertion Loss Flatness	0.7dB Max.	
5. Insertion Loss Stability	0.2dB Max.	
6. Insertion Loss Slope	<0.05dB/MHz	
7. Group Delay(Each 150MHz within PB)	25nS Max	
8. Input/Output Return Loss	16dB Min.	
9. Out of Band Rejection	80dBc min @ 1400 ~ 1427MHz 80dBc min @ 1600 ~ 1620MHz 80dBc min @ 1660 ~ 1670MHz 75dBc min @ 1980 ~ 2025MHz 70dBc min @ 2600 ~ 2700MHz	
10. In/Out Impedance	50Ω	
11. Operating Temp Range	-45°C ~ +100°C	
12. Dimension[WxDxH]	20.0 X 20.0 X 6.5mm ±0.3 Max	

※It is subjected to change with prior notice.

■ Simulation Curve



■ Recommended Soldering Profile

