

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

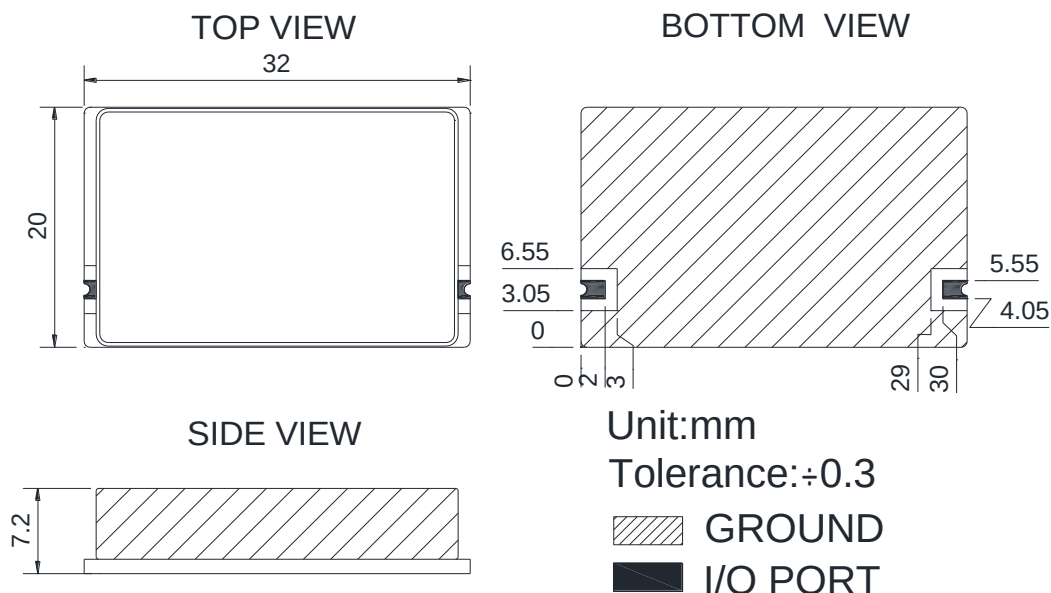
Product Name: LC Band Pass Filter

Part No: MBP-C3500_200ML-A-R0

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2022.02.28	Bryan Jeon	Michael Jeon

■ Mechanical Drawing



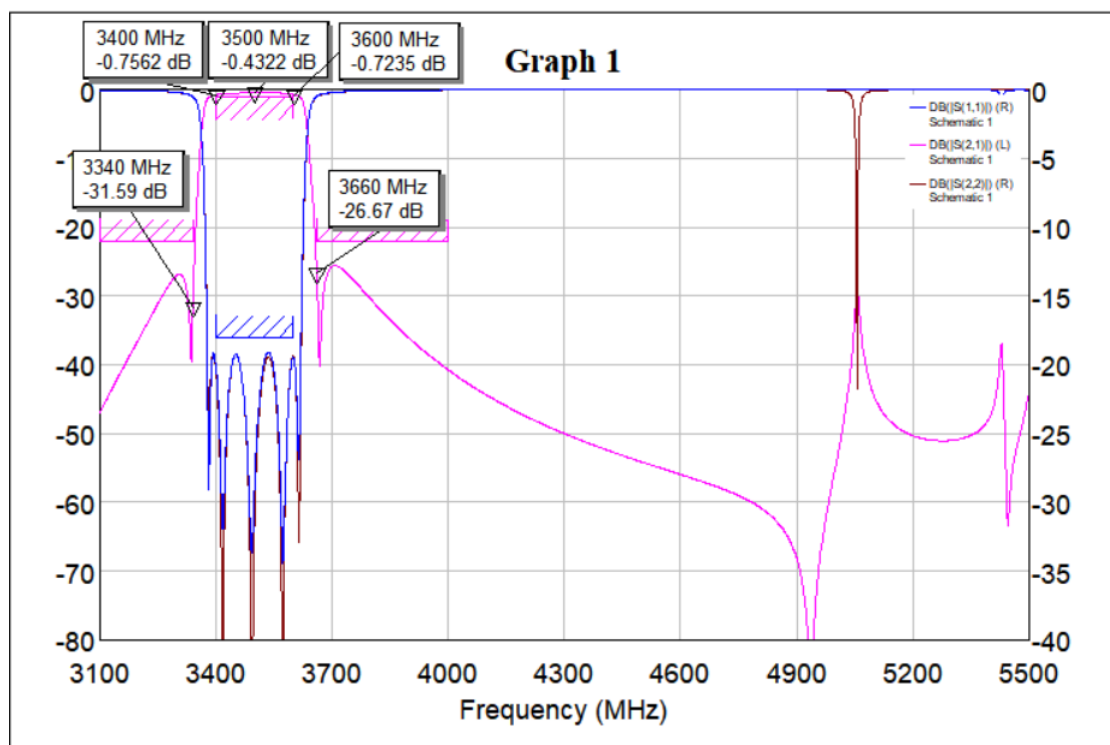
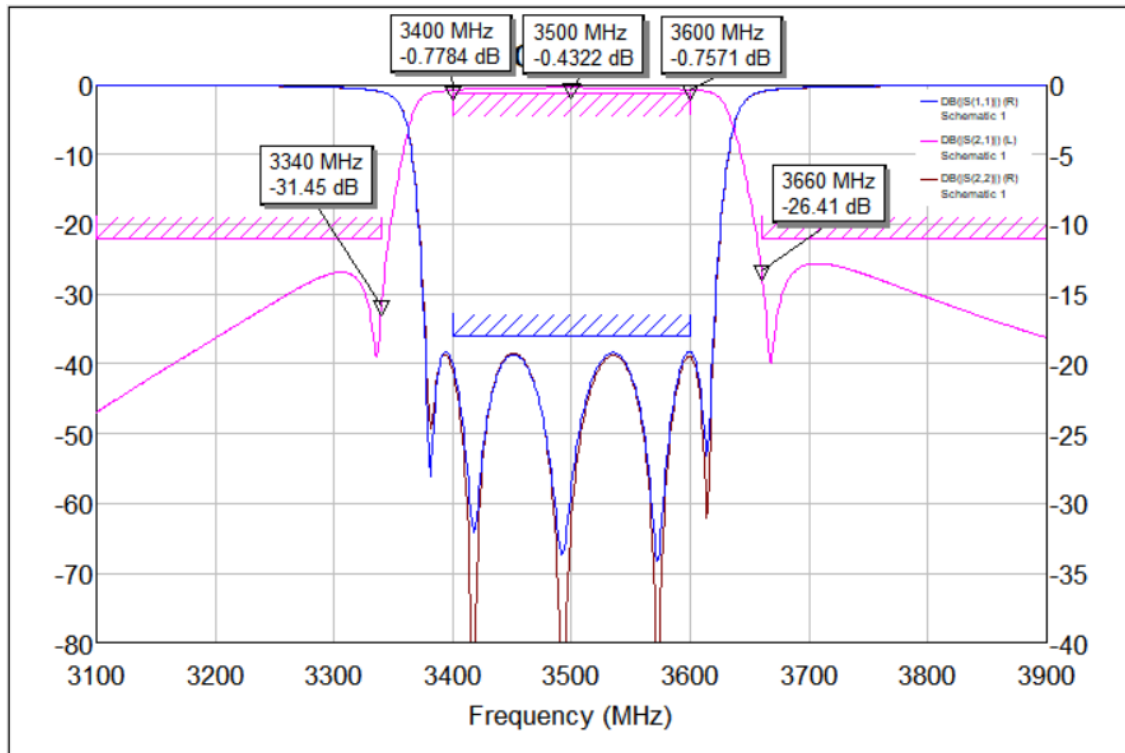
Note
1. Connector: SMD
2. Finish: Gold plated

■ Electrical Specification

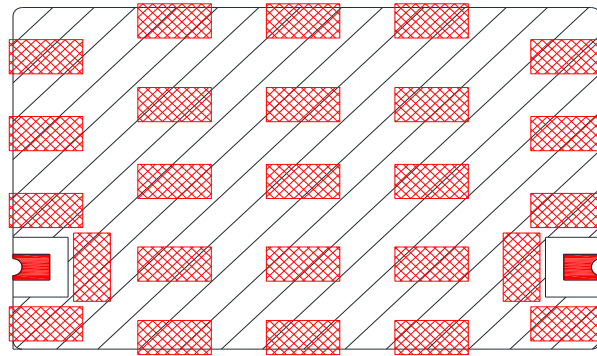
Parameter	Specification	Remark
1. Center Frequency	3500MHz	
2. Bandwidth [BW]	$F_c \pm 100\text{MHz}$ [3400~3600MHz]	
3. Insertion Loss in BW	1.0dB max.@ room temperature 1.2dB max.@ over temperature	
4. Ripple in BW	0.5dB Max.	
5. Return Loss in BW	15dB min. @ room temperature 14dB min. @ over temperature	
6. In/Out Impedance	50Ω	
7. Attenuation [Absolute Value]	20dB Min.@100MHz~3340MHz	
	20dB Min.@ 3660MHz~5000MHz	
8. Group Delay Variation in BW	20ns Max.	
9. Power	10W Max.	
10. Operation Temperature Range	-40°C to +100°C	

Remarks: This is a preliminary datasheet for reference.

■ Simulation Curve.



■ Recommended PC Board Pattern



Remarks: Recommend using the soldering paste of 183℃ melting point.