

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

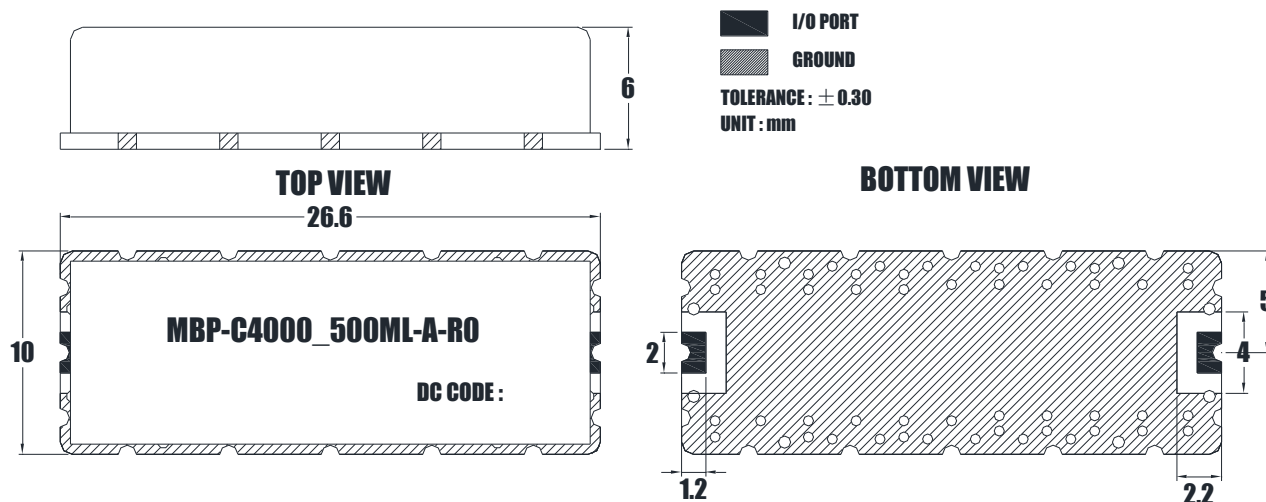
Product Name: LC Band Pass Filter

Part No: MBP-C4000_500ML-A-R1

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2021.12.03	Bryan Jeon	Michael Jeon
2	R1	Added Test Curve	2021.12.13	Bryan Jeon	Michael Jeon

■ Mechanical Drawing



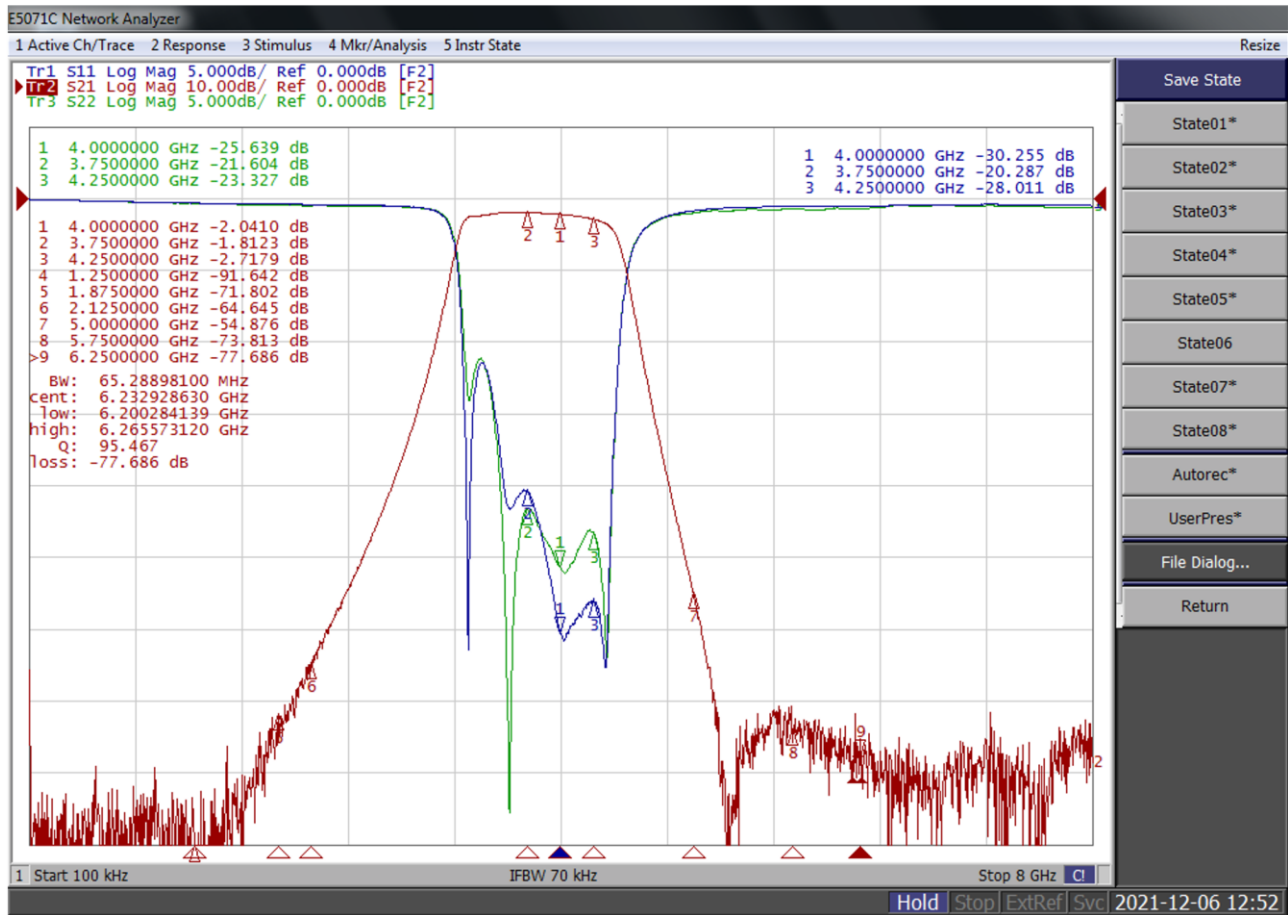
Note
1. Connector: SMD
2. Finish: Silver plated

■ Electrical Specification

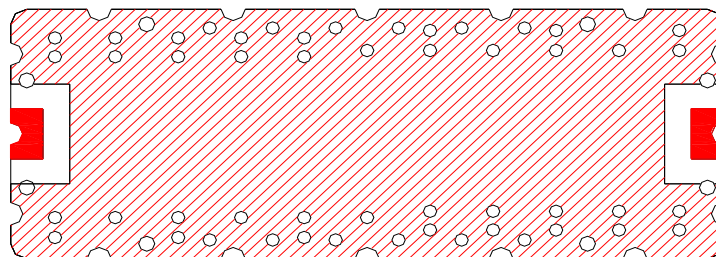
Parameter	Specification	Remark
1. Center Frequency	4000MHz	
2. Bandwidth [BW]	$F_c \pm 250\text{MHz}$ [3750~4250MHz]	
3. Insertion Loss in BW	3.0dB Max.	
4. Ripple in BW	1.5dB Max.	
5. VSWR in BW	1.5:1 Max.	
6. In/Out Impedance	50Ω	
7. Attenuation [Absolute Value]	60dB Min.@ 750~1250MHz	
	55dB Min.@ 1875~2125MHz	
	45dB Min.@ 5000MHz	
	60dB Min.@ 5750~6250MHz	
8. Power Handling	1W Max.	
9. Operation Temperature Range	-40°C to +85°C	

Remarks: This is a preliminary datasheet for reference.

Test Curve



Recommended PC Board Pattern



I/O PORT



GROUND

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