

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

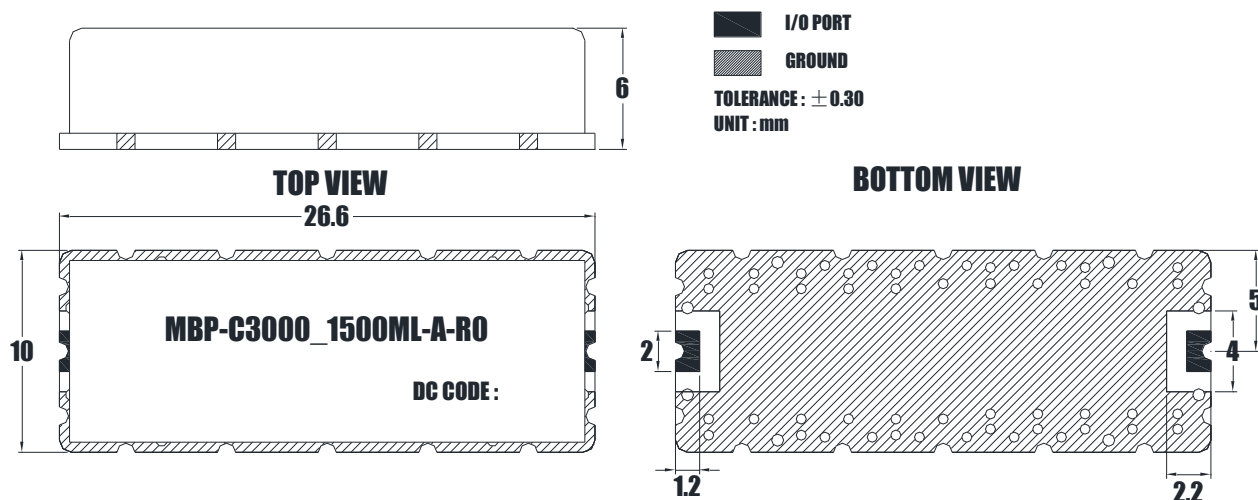
Product Name: LC Band Pass Filter

Part No: MBP-C3000_1500ML-A-R5

■ 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
3	R2	Has changed filter band width	2022.01.13	Bryan Jeon	Michael Jeon
4	R3	Added detail dimensions of land pattern	2022.02.10	Bryan Jeon	Michael Jeon
5	R4	Has changed attenuation value and ripple specs	2022.02.24	Bryan Jeon	Michael Jeon
6	R5	Has Changed ripple spec from 1.3dB to 1.5dB Has changed attenuation spec from 30dB@4250~6000MHz to 40dB@4250~6000MHz	2022.03.11	Bryan Jeon	Michael Jeon

■ Mechanical Drawing



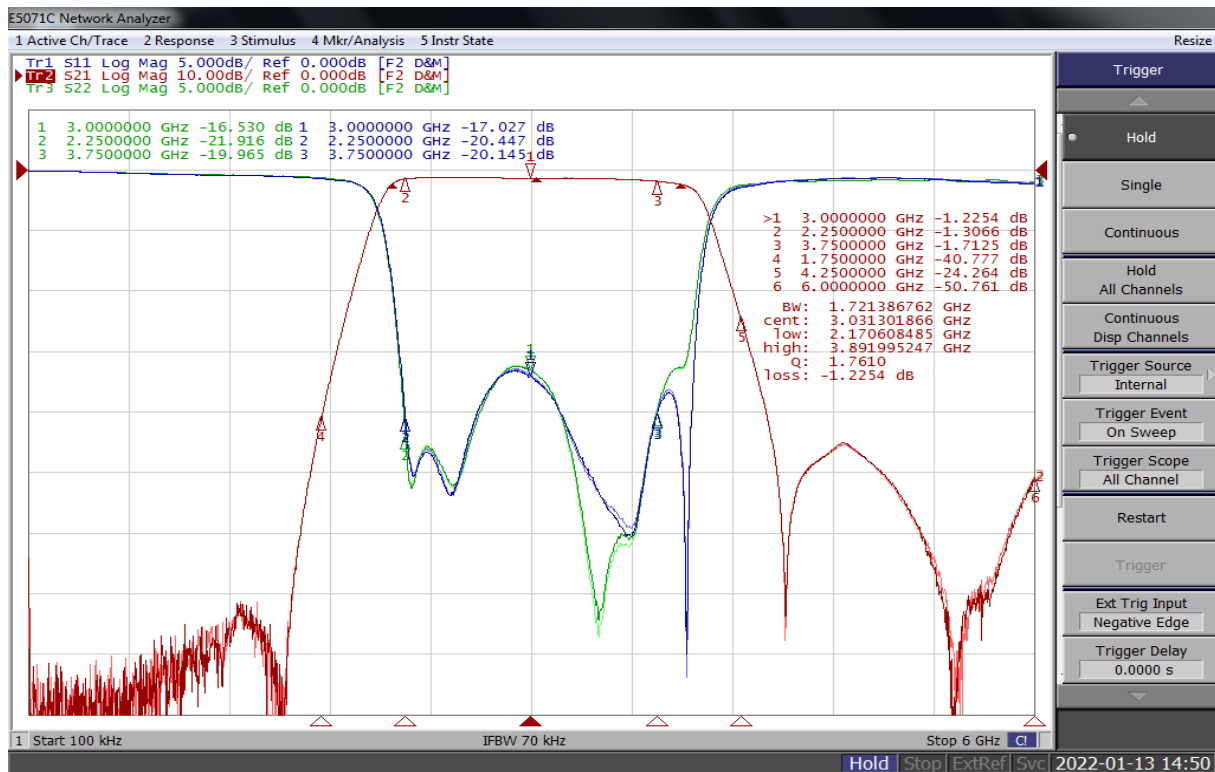
Note
1. Connector: SMD
2. Finish: Silver plated

■ Electrical Specification

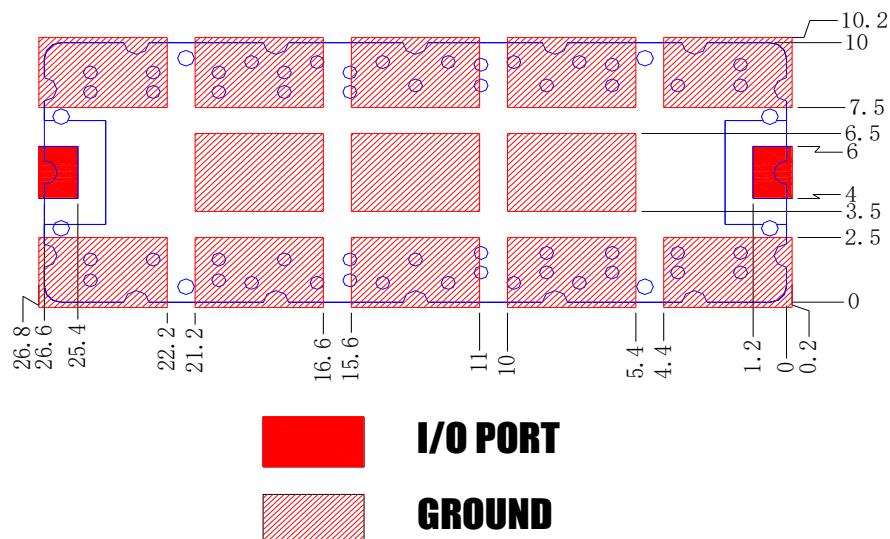
Parameter	Specification	Remark
1. Center Frequency	3000MHz	
2. Bandwidth [BW]	$F_c \pm 750\text{MHz}$ [2250~3750MHz]	
3. Insertion Loss in BW	2.0dB Max.	
4. Ripple in BW	1.5dB Max.	
5. VSWR in BW	1.5:1 Max.	
6. In/Out Impedance	50Ω	
7. Attenuation [Absolute Value]	25dB Min.@ 1750MHz	
	40dB Min.@ 4250~6000MHz	
8. Power Handling	1W Max.	
9. Operation Temperature Range	-40°C to +85°C	

Remarks: This is a preliminary datasheet for reference.

■ Test Curve (To be updated)



■ Recommended PC Board Pattern



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