

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

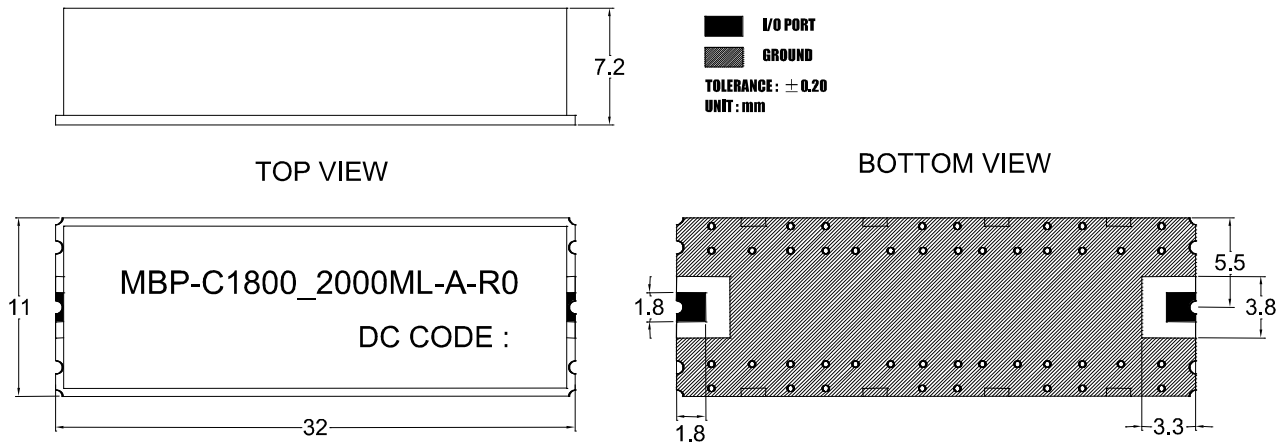
Product Name: LC Band Pass Filter

Part No: MBP-C1800_2000ML-A-R0

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2022.02.14	Bryan Jeon	Michael Jeon

■ Mechanical Drawing



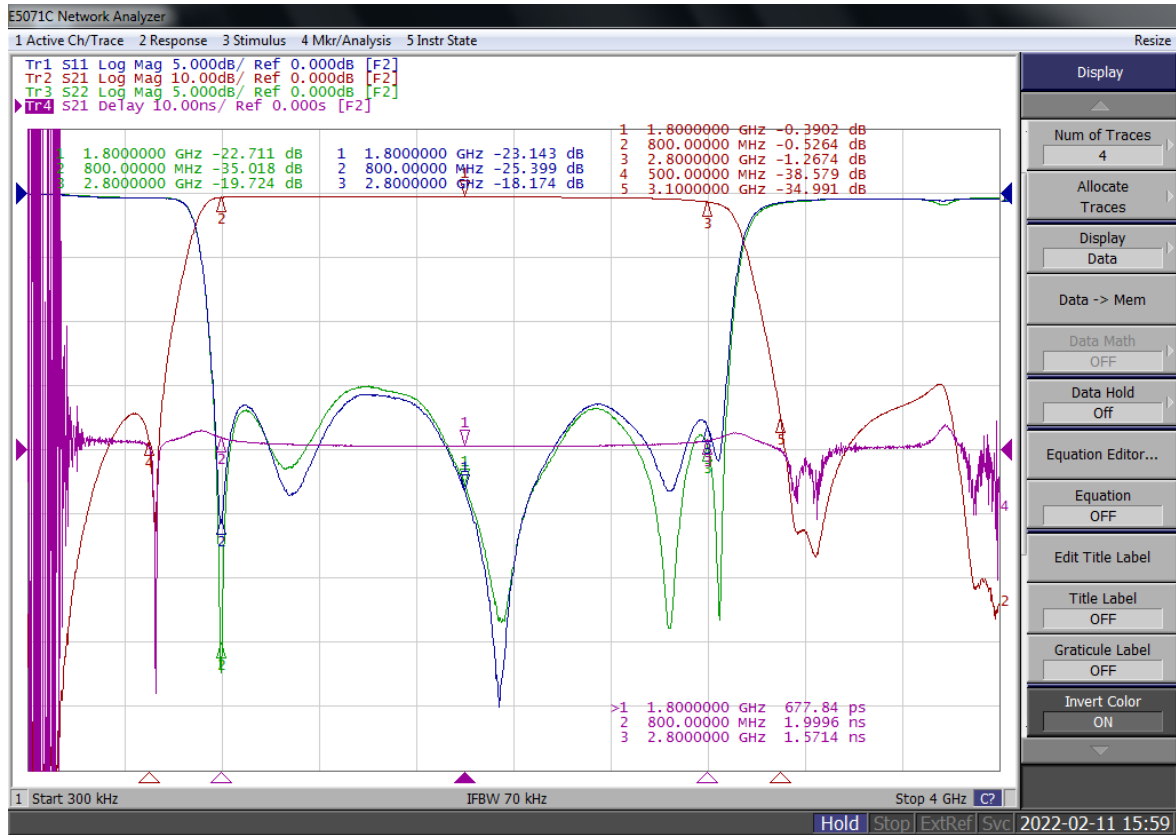
Note
 1. Connector: SMD
 2. Finish: Silver plated

■ Electrical Specification

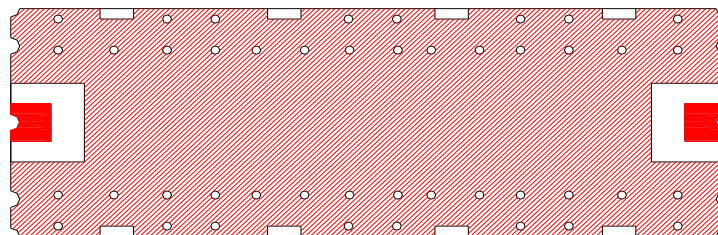
Parameter	Specification	Remark
1. Center Frequency	1800MHz	
2. Bandwidth [BW]	$F_c \pm 1000\text{MHz}$ [800~2800MHz]	
3. Insertion Loss in BW	2.0dB Max.	
4. Ripple in BW	1.2dB Max.	
5. Group Delay Variation in BW	4ns Max.	
6. Return Loss in BW	1.8:1 Max.	Ratio
7. In/Out Impedance	50Ω	
8. Attenuation [Absolute Value]	30dB Min. @ 500MHz	
	30dB Min. @ 3100MHz	
9. Power	27dBm Max.	
10. 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.