

## PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

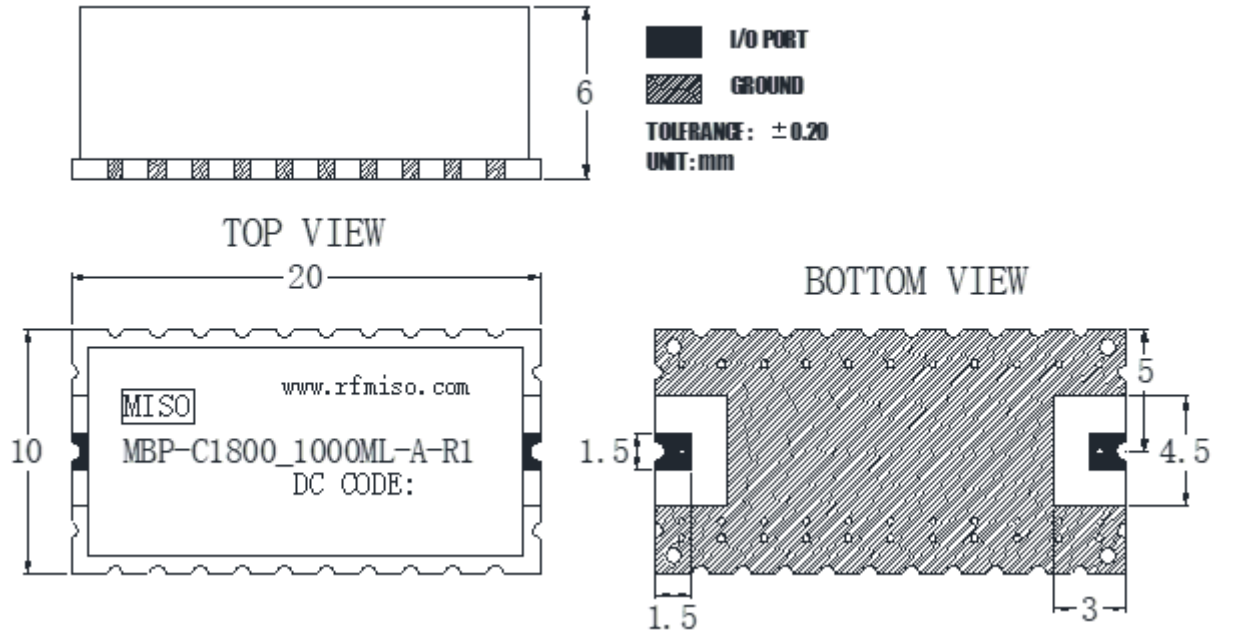
**Product Name: LC Band Pass Filter**

**Part No: MBP-C1800\_1000ML-A-R1**

### ■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2022.02.10	Bryan Jeon	Michael Jeon
2	R1	Added the simulation curve Added the attenuation specification (30dB Min. @ 2600MHz~4000MHz)	2022.02.15 2022.09.13	Bryan Jeon	Michael Jeon

## ■ Mechanical Drawing



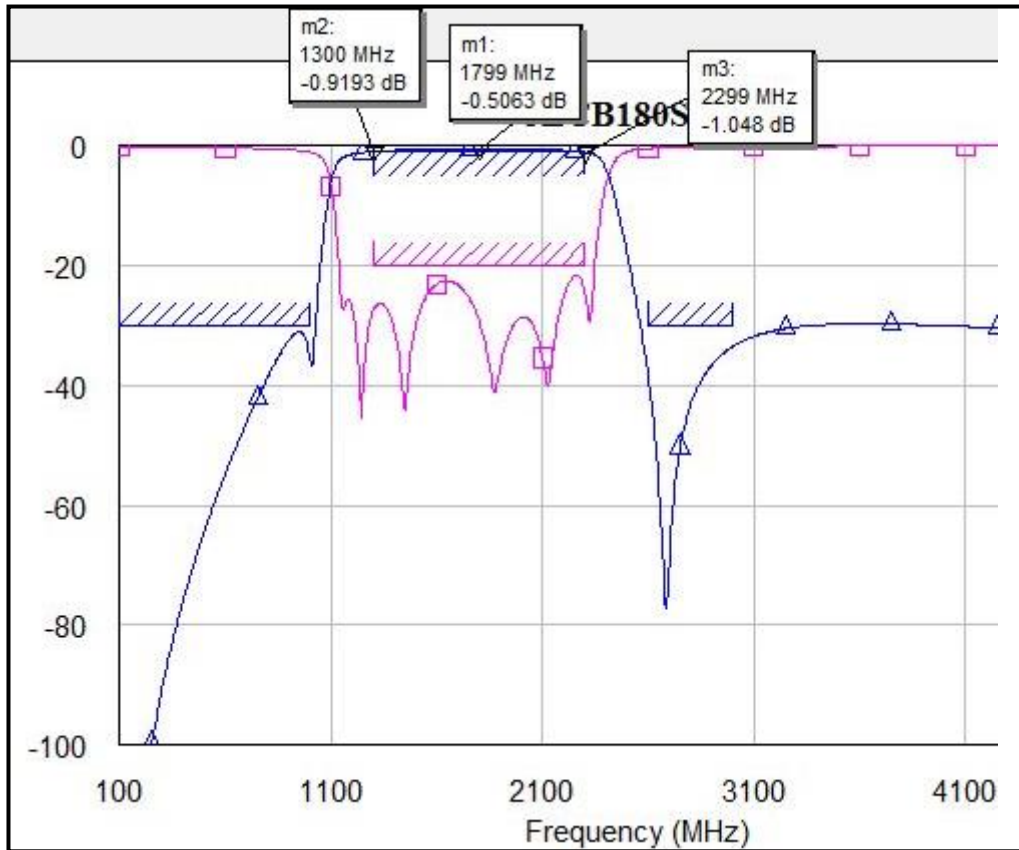
**Note**  
1. Connector: SMD  
2. Finish: Gold plated

## ■ Electrical Specification

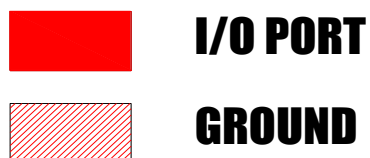
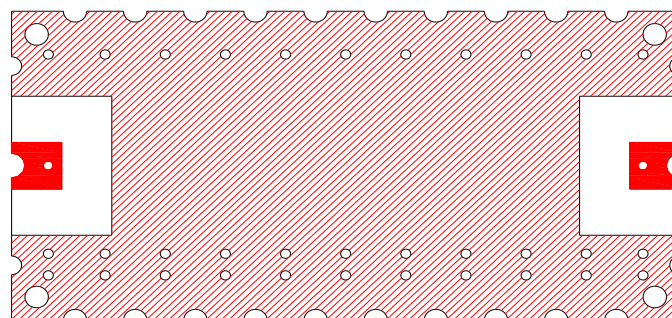
Parameter	Specification	Remark
1. Center Frequency	1800MHz	
2. Bandwidth [BW]	$F_c \pm 500\text{MHz}$ [1300~2300MHz]	
3. Insertion Loss in BW	2.0dB Max.	
4. Ripple in BW	1.0dB Max.	
5. Return Loss in BW	14dB Min.	
6. In/Out Impedance	50Ω	
7. Attenuation [Absolute Value]	30dB Min. @ 1000MHz	
	30dB Min. @ 2600MHz~4000MHz	
8. Power Handling	27dBm Max.	
9. Operation Temperature Range	-40°C to +85°C	

Remarks: This is a preliminary datasheet for reference.

## ■ Simulation Curve



## ■ Recommended PC Board Pattern



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