

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

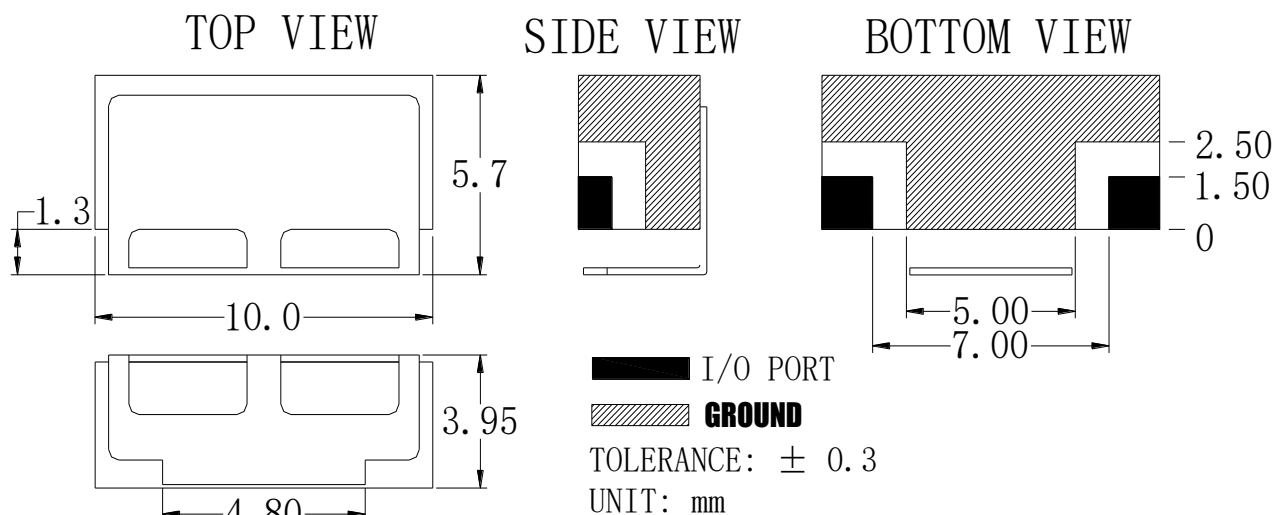
Product Name : Monoblock Band Pass Filter

Part No : MBP-C4850_300MM-A-R1

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2022.05.27	Bryan Jeon	Michael Jeon
2	R1	1. Added the simulation curve 2. Added the group delay specification	2022.05.30	Bryan Jeon	Michael Jeon

■ Mechanical Drawing



Note

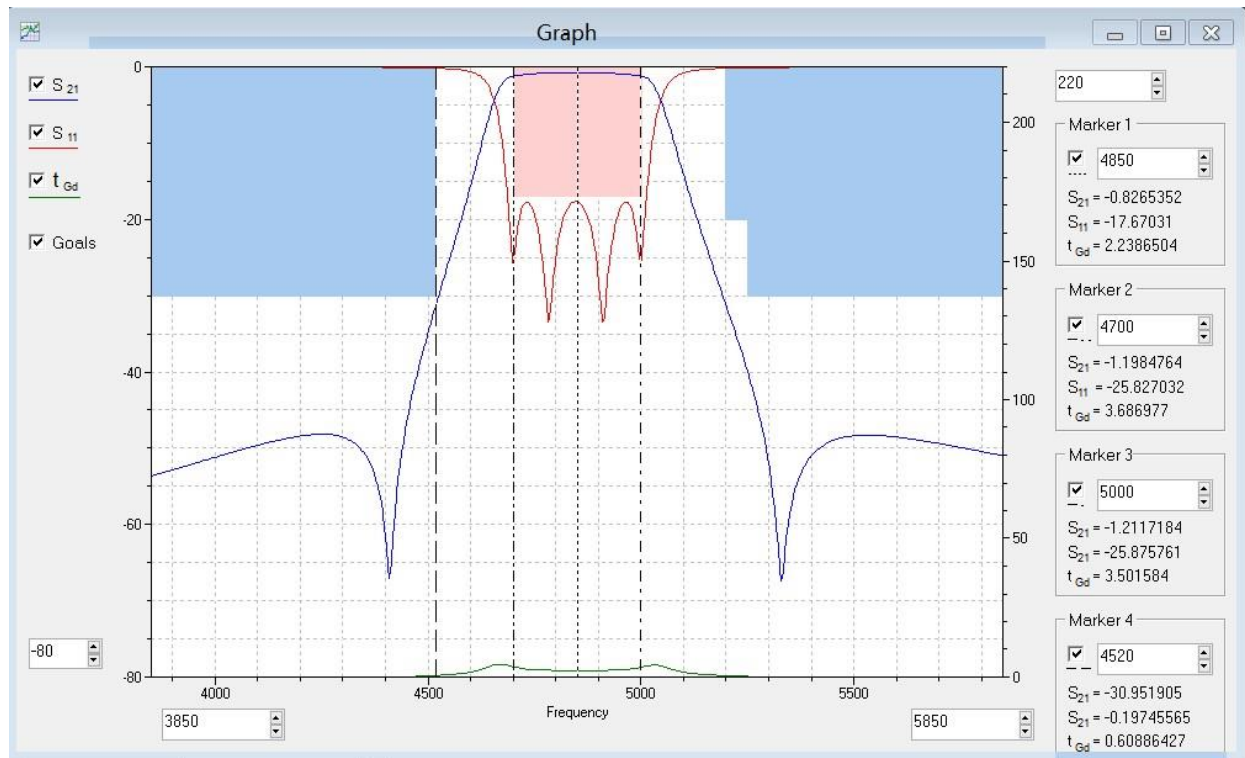
1. Connector : SMD
2. Finish :Silver Plated

■ Electrical Specification

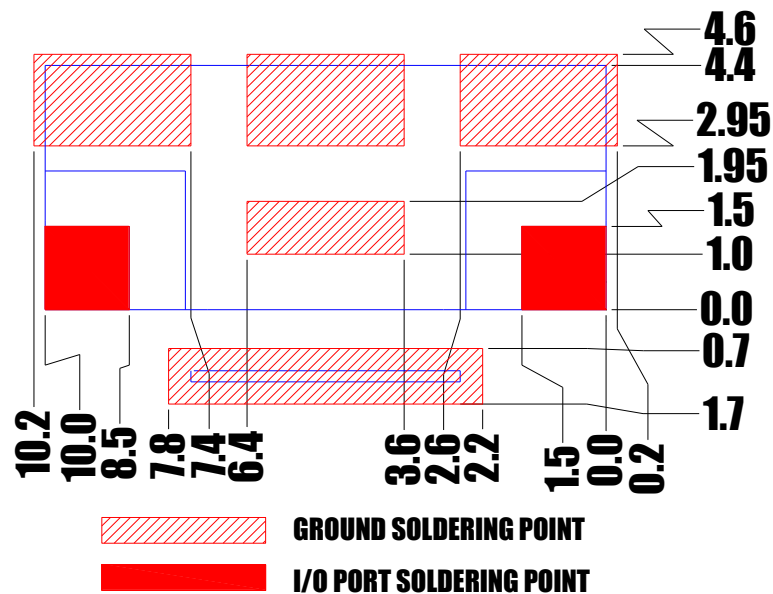
Parameter	Specification	Remark
1. Center Frequency	4850MHz	
2. Frequency Range	$f_0 \pm 150[4700 \sim 5000]$ MHz	
3. Insertion Loss in Pass Band	2.0dB Max.	
4. Ripple in BW	0.5dB Max.	
5. Return Loss	15dB Min.	
6. Attenuation [Absolute Value]	20dB Min. @ 4520MHz	
	30dB Min. @ 5250~6000MHz	
	20dB Min. @ 5200MHz	
	30dB Min. @ DC~4520MHz	
7. Input / Output Impedance	50Ω	
8. Power Handling	1W max.	
9. Group delay	5ns max.	
10. Mounting	SMD	
11. Operating temp	-40 to +85°C	

Remarks: This is a preliminary datasheet for reference.

Simulation Curve



RECOMMENDED PC BOARD PATTERN



Remarks: Recommend using silver-containing solder paste.