

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

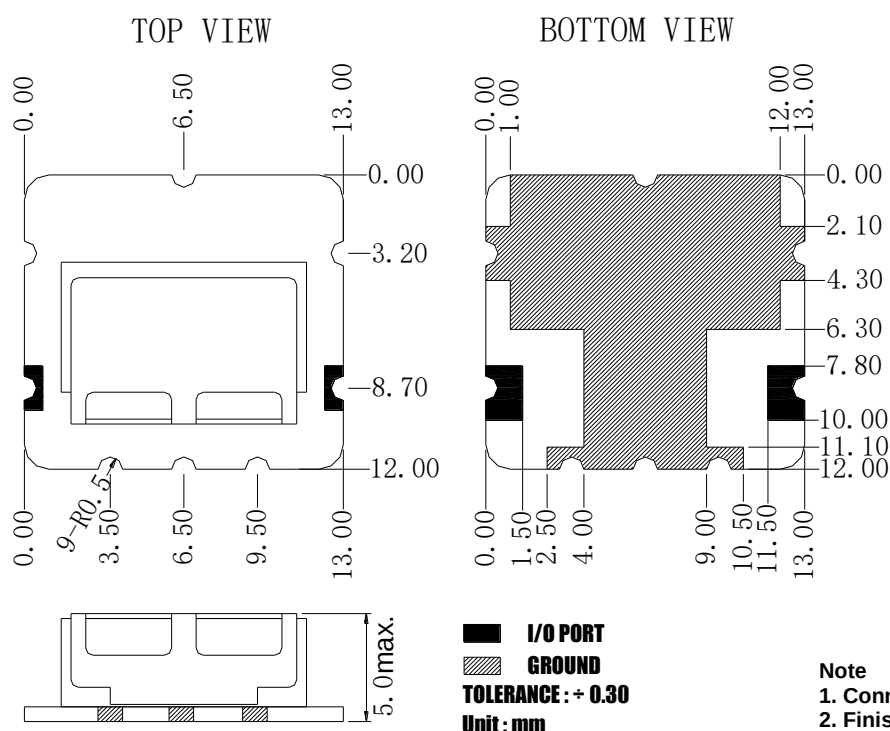
Product Name : Ceramic Band Pass Filter

Part No : MBP-C4075_50MC-A-R0

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2022.08.01	Bryan Jeon	Michael Jeon

■ Mechanical Drawing

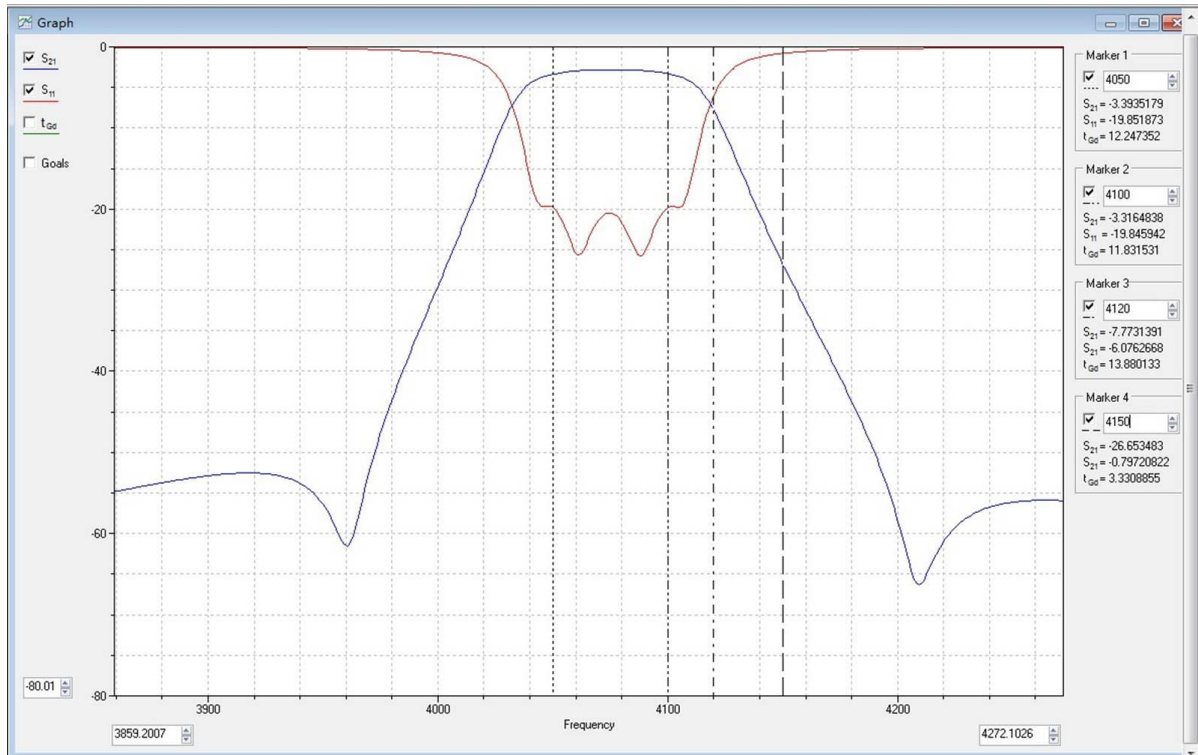


■ Electrical Specification

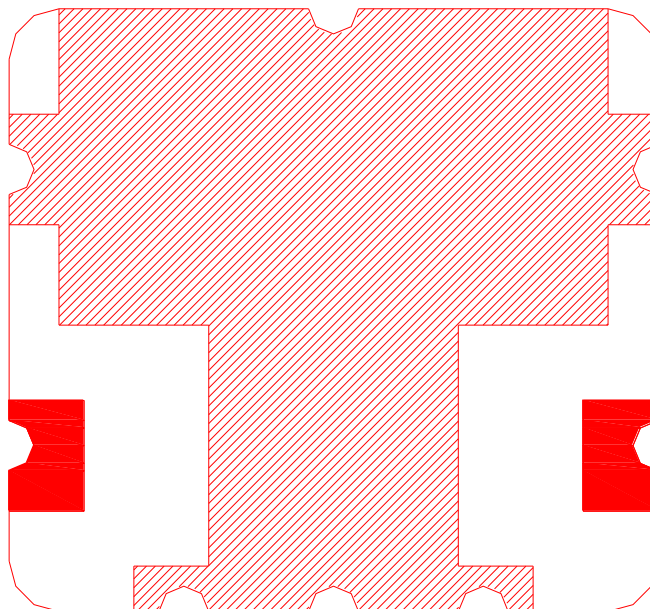
Parameter	Specification	Remark
1. Center Frequency	4075MHz	
2. Frequency Range	$f_0 \pm 25[4050 \sim 4100]$ MHz	
3. Insertion Loss in Pass Band	4.0dB Max.	
4. Ripple in Pass Band	0.8dB Max.	
5. Return Loss in BW(S11,S22)	12dB Min.	
6. Attenuation [Absolute Value]	20dB Min. @ 4000MHz	
	7dB Min. @ 4120MHz	
	20dB Min. @ 4150MHz	
	35dB Min. @ DC~3000MHz	
	35dB Min. @ 4200~6000MHz	
8. Input / Output Impedance	50Ω	
9. Power Handling	3W max	CW
10. Mounting	SMD	
11. Operating temp	-40 to +85°C	

Remarks: This is a preliminary datasheet for reference.

■ Simulation Curve



■ RECOMMENDED PC BOARD PATTERN



 **GROUND SOLDERING POINT**
 **I/O PORT SOLDERING POINT**

Remarks: Recommend using silver-containing solder paste.