

PRODUCT SPECIFICATION FOR INFORMATION

FINAL SPECIFICATION

Product Name : Ceramic Band Pass Filter

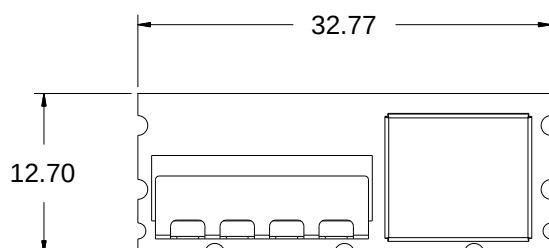
Part No : MBP-C4280_640MC-A-R1

■ History List

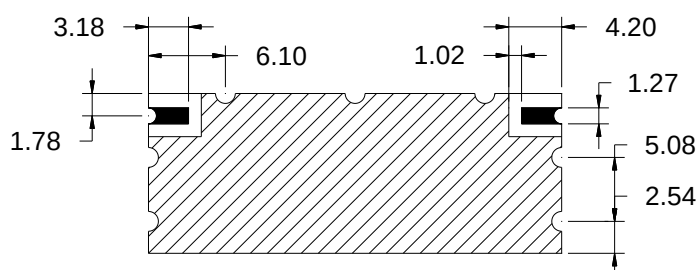
No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2024.03.27.	Jeffrey Jeong	Michael Jeon
2	R1	PCB land pattern changed	2024.05.20	Jeffrey Jeong	Michael Jeon
3		Rejection points : 37dBc min @ DC ~3830MHz Phase Linearity deviations : $\pm 25^\circ$	2024.08.08	Jeffrey Jeong	Michael Jeon
4					
5					
6					

■ Mechanical Drawing

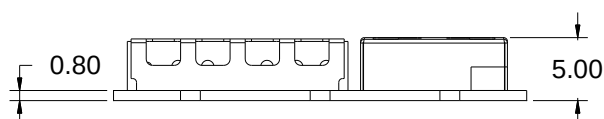
TOP VIEW



BOTTOM VIEW



SIDE VIEW



■ Electrical Specification

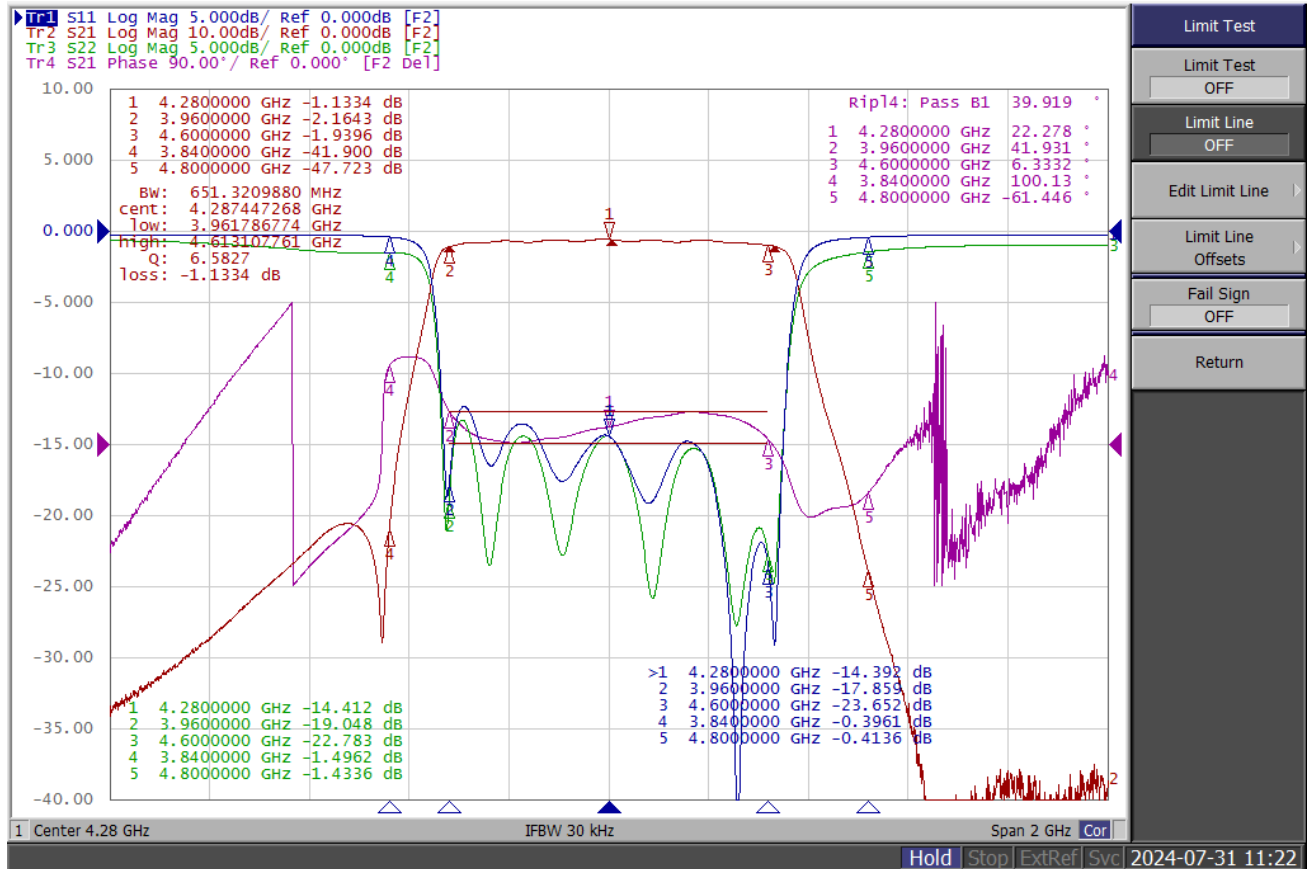
Parameter	Specification	Remark
1. Center Frequency	4280MHz	
2. 1dB Bandwidth	640MHz [3960 ~ 4600MHz]	
3. Insertion Loss in BW	6.0dB Max.	
4. Ripple in BW	2.0dB Max.	
5. Return Loss in BW	12dB Min	
6. Attenuation[Relative Value]	37dBc min @ DC ~3830MHz 40dBc min @ 3840MHz 45dBc min @ 4800MHz ~ 10GHz	
7. Linear Phase Deviation in BW	$\pm 25^\circ$	
8. Power Handling	15dBm Max.	
9. In/Out Impedance	50Ω	
10. Operating Temp Range	-40°C ~ +70°C	
11. Storage Temp Range	-55°C ~ +85°C	
12. Dimension[WxDxH]	32.77 X 12.7 X 7.62mm ± 0.3 Max	

Test Curve

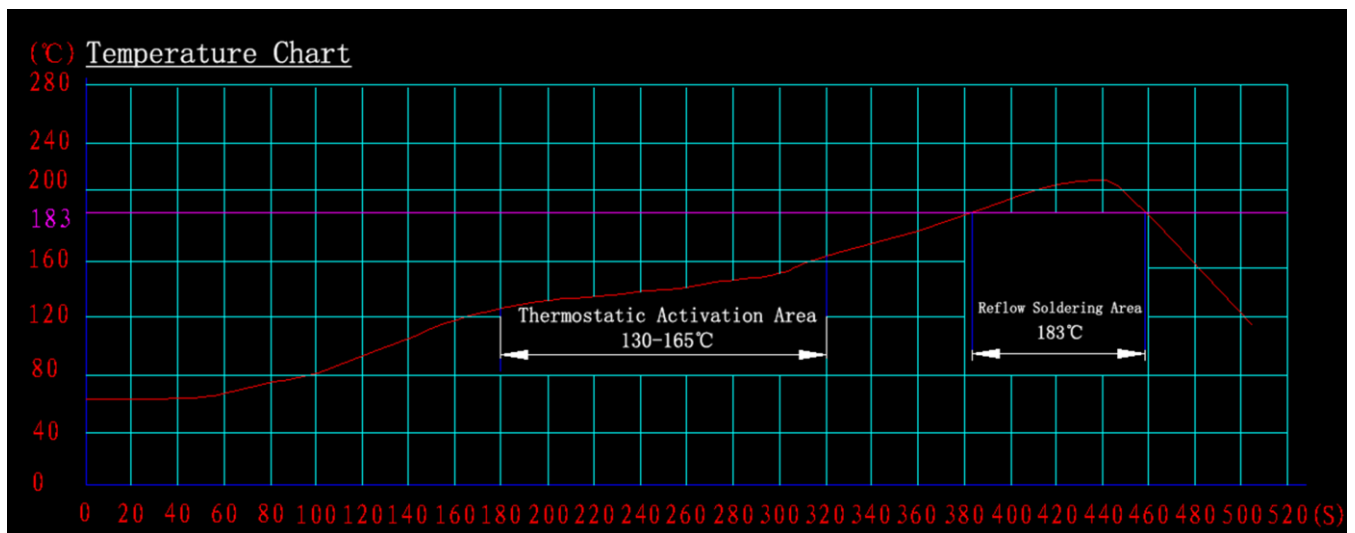
E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Resize



Recommended Soldering Profile



※ We recommend the solder paste with melting point, 180 °C containing Ag(Ex. Sn62Pb36Ag2.0)