

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

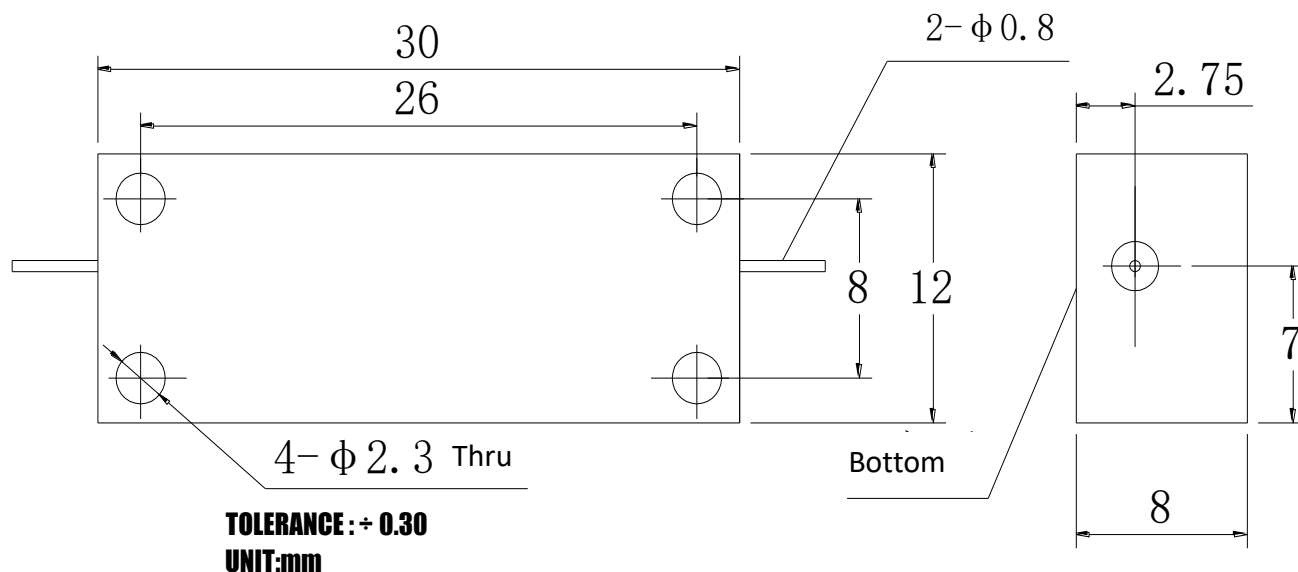
Product Name : LC Band Pass Filter

Part No : MBP-C5475_220ML-A-R1

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2023.10.24	Jeffrey Jeong	Michael Jeon
2	R1	Rejection updated	2023.12.14	Jeffrey Jeong	Michael Jeon
3					
4					
5					
6					

■ Mechanical Drawing



■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	5475MHz	
2. 0.7dB Bandwidth	$F0 \pm 91.6665 [5383.333 \sim 5566.666 \text{MHz}]$ min	
3. 3dB Bandwidth	$F0 \pm 110 [5365 \sim 5585 \text{MHz}]$ min	
4. Insertion Loss @ F0	3.0dB Max.	
5. Return Loss in 3dB BW(S11, S22)	15dB Min.	
6. Attenuation[Absolute Value]	69dB min @ 5~4800MHz 64dB min @ 4800 ~ 4900MHz 56dB min @ 4900 ~ 5000MHz 47dB min @ 5000 ~ 5100MHz 35dB min @ 5100 ~ 5200MHz 14dB min @ 5200 ~ 5300MHz 17dB min @ 5650 ~ 5750MHz 37dB min @ 5750 ~ 5850MHz 50dB min @ 5850 ~ 5950MHz 60dB min @ 5950 ~ 6050MHz 58dB min @ 6050 ~ 6150MHz 74dB min @ 6150 ~ 6250MHz 60dB min @ 6250 ~ 7650MHz 45dB min @ 7650 ~ 8500MHz	
7. Power Handling	30dBm Max.	
8. In/Out Impedance	50Ω	
9. Temperature Range	-40°C ~ +85°C	
10. Dimension[WxDxH]	12.0 X 30.0 X 8.0mm Max	

■ Simulation Curve

