

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

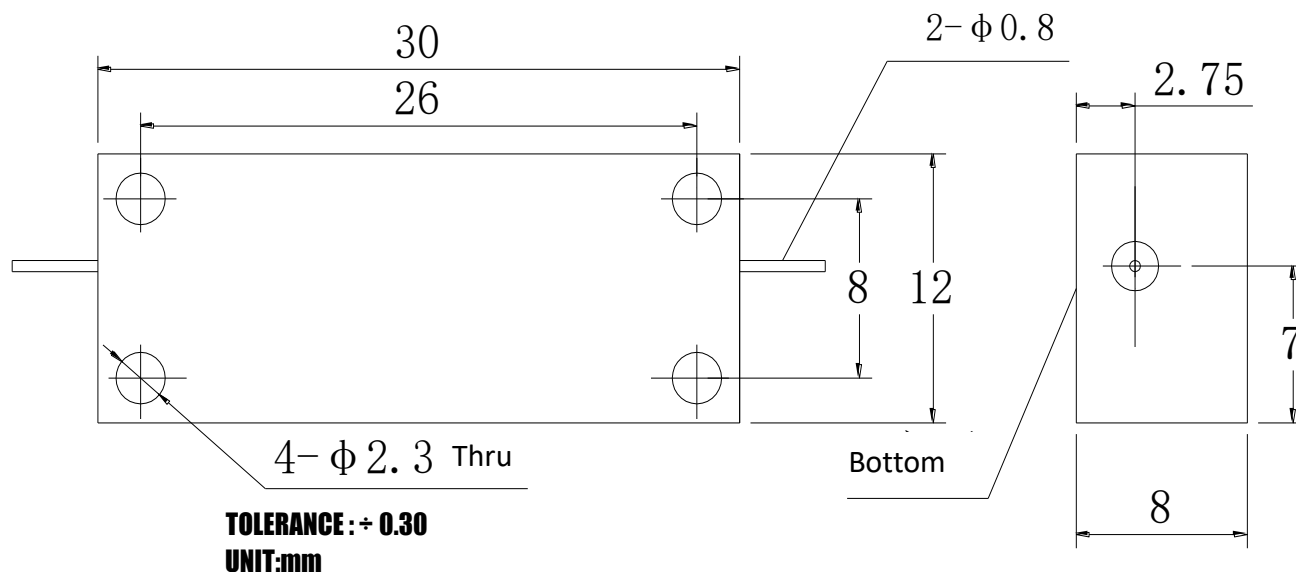
Product Name : LC Band Pass Filter

Part No : MBP-C5683_270ML-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	5683.335MHz	
2. 0.7dB Bandwidth	$F0 \pm 116.667$ [5566.666 ~ 5800MHz] min	
3. 3dB Bandwidth	$F0 \pm 135$ [5548.335 ~ 5818.335MHz] min	
4. Insertion Loss @ F0	3.0dB Max.	
5. Return Loss in 3dB BW(S11, S22)	15dB Min.	
6. Attenuation[Absolute Value]	71dB min @ 5~4950MHz 62dB min @ 4950 ~ 5100MHz 55dB min @ 5100 ~ 5200MHz 45dB min @ 5200 ~ 5300MHz 32dB min @ 5300 ~ 5400MHz 12dB min @ 5400 ~ 5500MHz 27dB min @ 5900 ~ 6000MHz 46dB min @ 6000 ~ 6100MHz 56dB min @ 6100 ~ 6200MHz 65dB min @ 6200 ~ 6300MHz 60dB min @ 6300 ~ 7800MHz 45dB min @ 7800 ~ 8500MHz	
7. Power Handling	30dBm Max.	
8. In/Out Impedance	50 Ω	
9. Temperature Range	-40°C ~ +85°C	
10. Dimension[WxDxH]	12.0 X 30.0 X 8.0mm Max	

※It is subjected to change with prior notice.

■ Simulation Curve

