

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

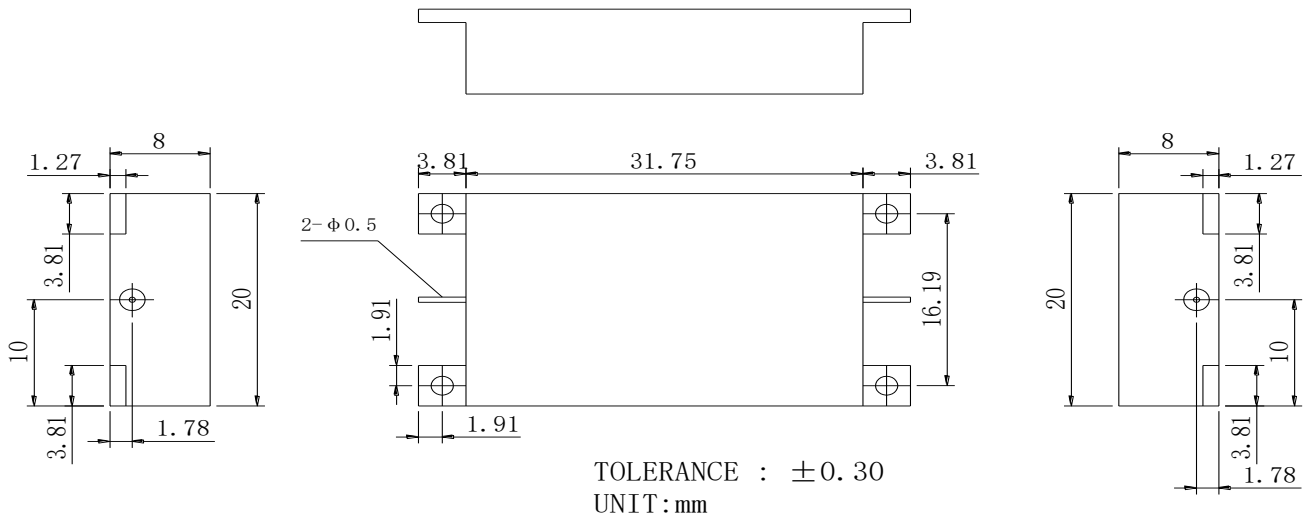
Product Name : LC Band Pass Filter

Part No : MBP-C553_20ML-A-R0

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2024.05.28.	Jeffrey Jeong	Michael Jeon
2					
3					
4					
5					
6					

■ Mechanical Drawing



■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	553MHz	
2. 3dB Bandwidth	20±1MHz	
3. Insertion Loss in BW	5.0±1dB Max.	
4. Ripple @ $F_o \pm 2\text{MHz}$	0.3dB Max.	
5. Return Loss @ $F_o \pm 4\text{MHz}$ (S11, S22)	16 Min.	
6. Attenuation[Absolute Value]	25dB min @ 493 ~ 533MHz 25dB min @ 573 ~ 613MHz 70dB min @ 250 ~ 493MHz 70dB min @ 613 ~ 900MHz 65dB min @ 900 ~ 1200MHz	
7. Maximum RF input power	+30dBm Max.	
8. Maximum continuous RF input power	+27dBm Max.	
9. In/Out Impedance	50Ω	
10. Operating Temp Range	-55°C ~ +85°C	
11. Dimension[WxDxH]	31.75 X 20.0 X 8.0mm ±0.3 Max	

※It is subjected to change with prior notice.

■ Simulation Curve

