

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

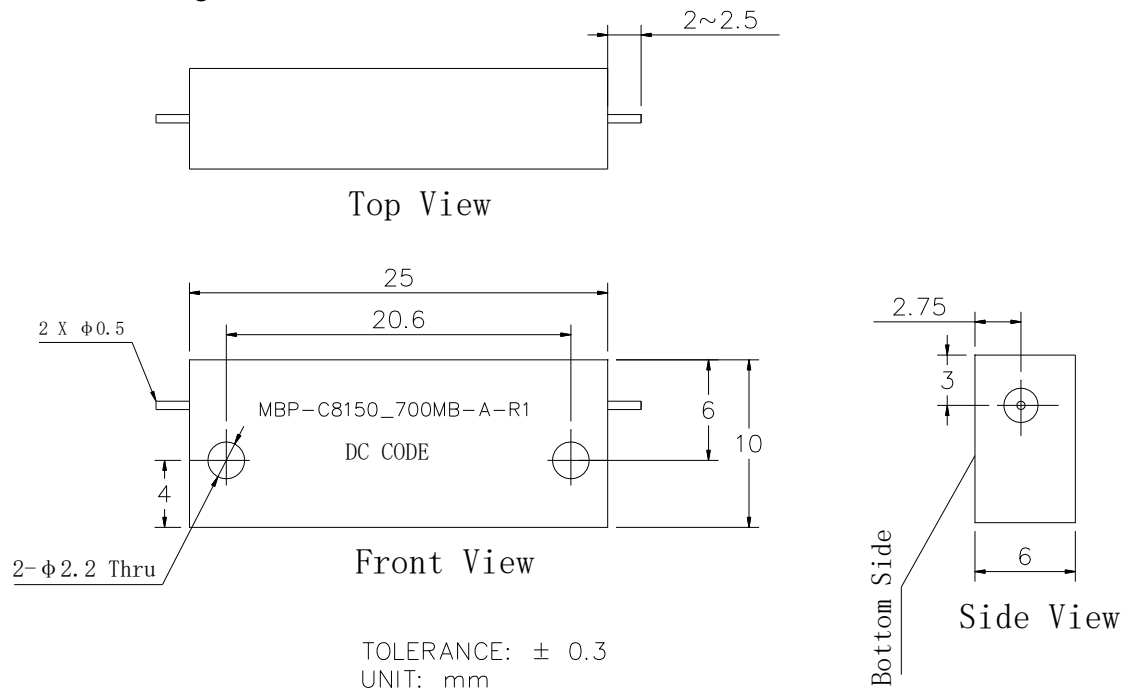
Product Name : Dielectric Band Pass Filter

Part No : MBP-C8150_700MB-A-R3

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2025.02.14.	Jeffrey Jeong	Michael Jeon
2	R1	Mounting Holes position changed	2025.02.17.	Jeffrey Jeong	Michael Jeon
3	R2	Pin length shall be 2 ~ 2.5mm	2025.03.24	Jeffrey Jeong	Michael Jeon
4	R3	Atten range, input power rating updated	2025.04.07	Jeffrey Jeong	Michael Jeon
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■ Mechanical Drawing



■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	8150MHz	
2. 0.5dB Bandwidth	700MHz [7800 ~ 8500MHz]	
3. Insertion Loss in BW	3.0dB Max.	
4. Flatness in BW	0.5dB Max.	
5. Ripple in BW	0.5dB Max.	
6. V.S.W.R. in BW	1.5 : 1 Max	
7. Group Delay Variation in BW	0.2 pk-pk over 40MHz Max.	
6. Attenuation[Relative Value]	30dBc min @ DC ~ 5200MHz 60dBc min @ 5300 ~ 7050MHz 30dBc min @ 8800 ~ 11000MHz	
7. Power Handling	33dBm Max.(C Group)	
8. In/Out Impedance	50Ω	
9. Operating Temp Range	-40°C ~ +85°C	
10. Dimension[WxDxH]	25.0 X 6.0 X 10.mm ± 0.3 Max	

※It is subjected to change with prior notice.

■ Simulation Plot

