

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

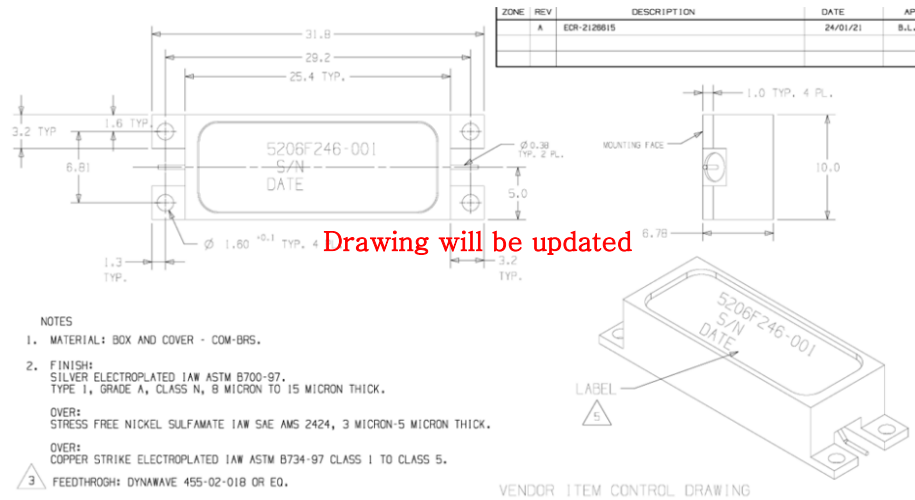
Product Name : LC Band Pass Filter

Part No : MBP-C2935_70ML-A-R0

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2025.01.27.	Jeffrey Jeong	Michael Jeon
2					
3					
4					
5					
6					

■ Mechanical Drawing

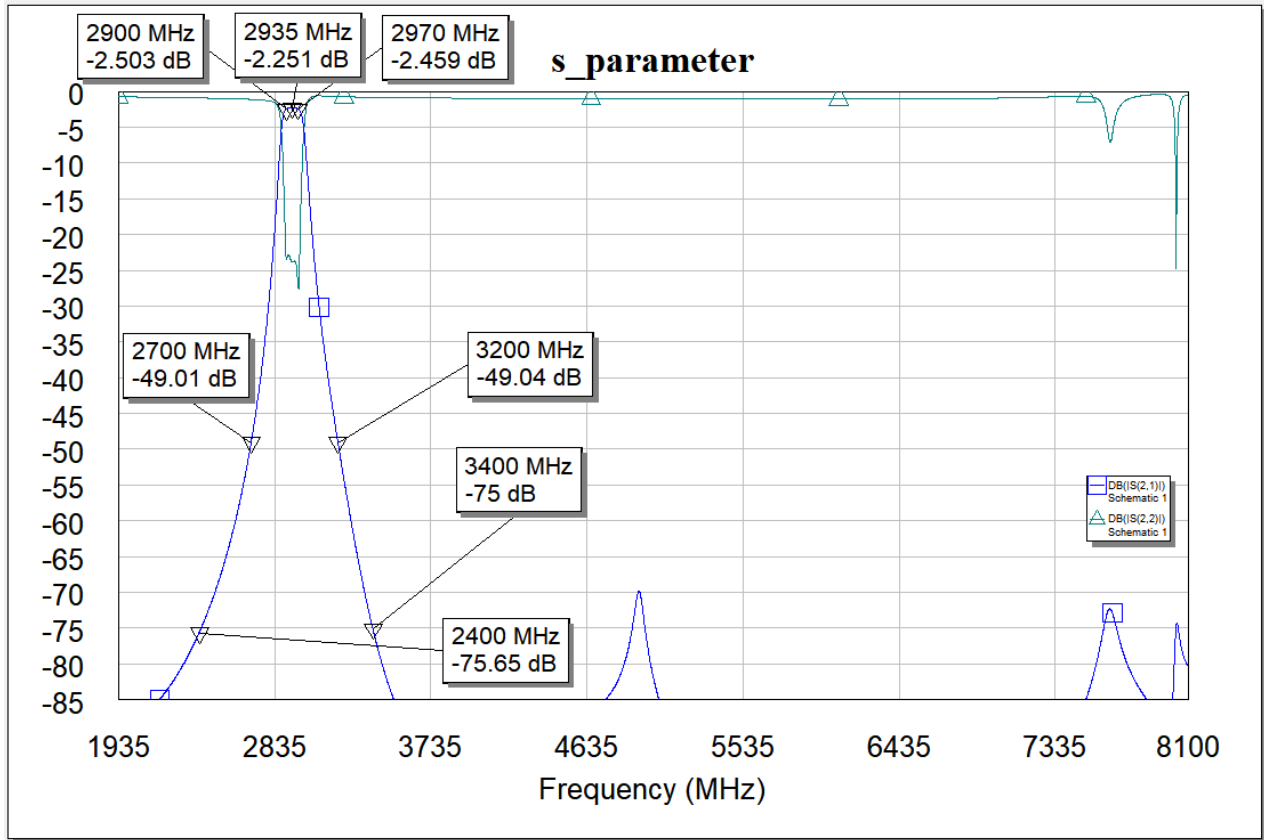


■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	2935MHz	
2. 1dB Bandwidth	70MHz min [2900 ~ 2970MHz]	
3. Insertion Loss in 1dB BW	4.0dB max.	
4. Ripple in 1dB BW	1.0dB Max.	
5. Return Loss in 1dB BW	15dB min	
6. Attenuation[Relative Value]	60dBc min @ DC ~ 2400MHz 40dBc min @ 2400 ~ 2700MHz 30dBc min @ 3200 ~ 3400MHz 60dBc min @ 3400 ~ 8000MHz	
7. Group Delay Variation over pass band	3nSec Max.	
8. Connector	Ø0.4mm PIN	
9. Finish	Silver Plating 8 ~ 15um thick Over : Nickel Electroless Plating 3 ~ 5um thick Over : Copper Strike Electroplated	
10. Power Handling	27dBm Max.	
11. In/Out Impedance	50Ω	
12. Operating Temp Range	-40°C ~ +105°C	
13. Dimension[WxDxH]	31.8 X 10.0 X 6.8mm Max	

※It is subjected to change with prior notice.

■ Simulation Curve



■ Screening

100% of the supplied items shall be subjected to the screening process in accordance with the table below.

Item No	Screening Test	Method / Condition
1	External Visual and Mechanical Inspection	MIL-F-18327, Para 4.7.1.1
2	Flash Electrical Testing	
3	Stabilization Baking	At 105°C for 48HRS
4	Thermal Shock	MIL-STD-202, Method 107 at extreme temperature, 10 cycles, 15min dwell time
5	Seal Leak Test	MIL-STD-202 Gross Leak, Method 112, Test Condition D
6	External Visual and Mechanical Inspection	MIL-F-18327, Para 4.7.1.1