

PRODUCT SPECIFICATION FOR INFORMATION

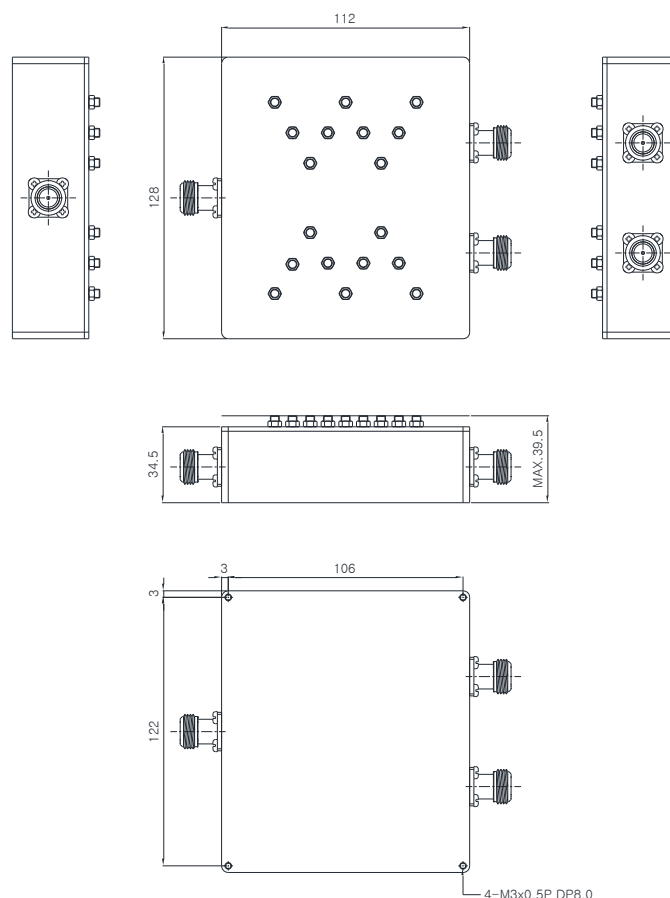
PRELIMINARY SPECIFICATION

Product Name: Cavity Duplexer
Part No: MDP-C822.5-C867.5_5MN-A-R1

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2023.01.13	Bryan Jeon	Michael Jeon
2	R1	Has changed rejection specs from 60dB to 65dB	2023.01.18	Bryan Jeon	Michael Jeon

■ Mechanical Drawing



Note
 1. Connector: N(f)
 2. Finish: Black Epoxy

■ Electrical Specification

Parameter	Specification		Remark
	RX	TX	
1. Center Frequency	867.5MHz	822.5MHz	
2. Bandwidth	Fc±2.5MHz [865~870MHz]	Fc±2.5MHz [820~825MHz]	
3. Insertion Loss in BW	1.0dB Max.	1.0dB Max.	
4. Ripple in BW	0.7dB Max.	0.7dB Max.	
5. Return Loss in BW	15dB Min.	15dB Min.	
6. Rejection	65dB Min.@10~750MHz	65dB Min.@10~825MHz	
	65dB Min.@865~3000MHz	65dB Min.@900~3000MHz	
7. In/Out Impedance	50Ω		
8. Input Power	75W Max.		
9. Connectors	N(f)		
10. Temperature Range	-10°C ~ +60°C(storage -10 to +70deg.)		
11. Relative Humidity	10% ~ 95%		
12. Random vibration	MIL-STD-810 F Method 514.5 procedure C1		
13. Dust	MIL-STD-810 F Method 510.4 procedure 3		
14. Dimensions	144.0x90.0x34.0mm		

Remarks: This is a preliminary datasheet for reference.

Simulation Curve

