

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

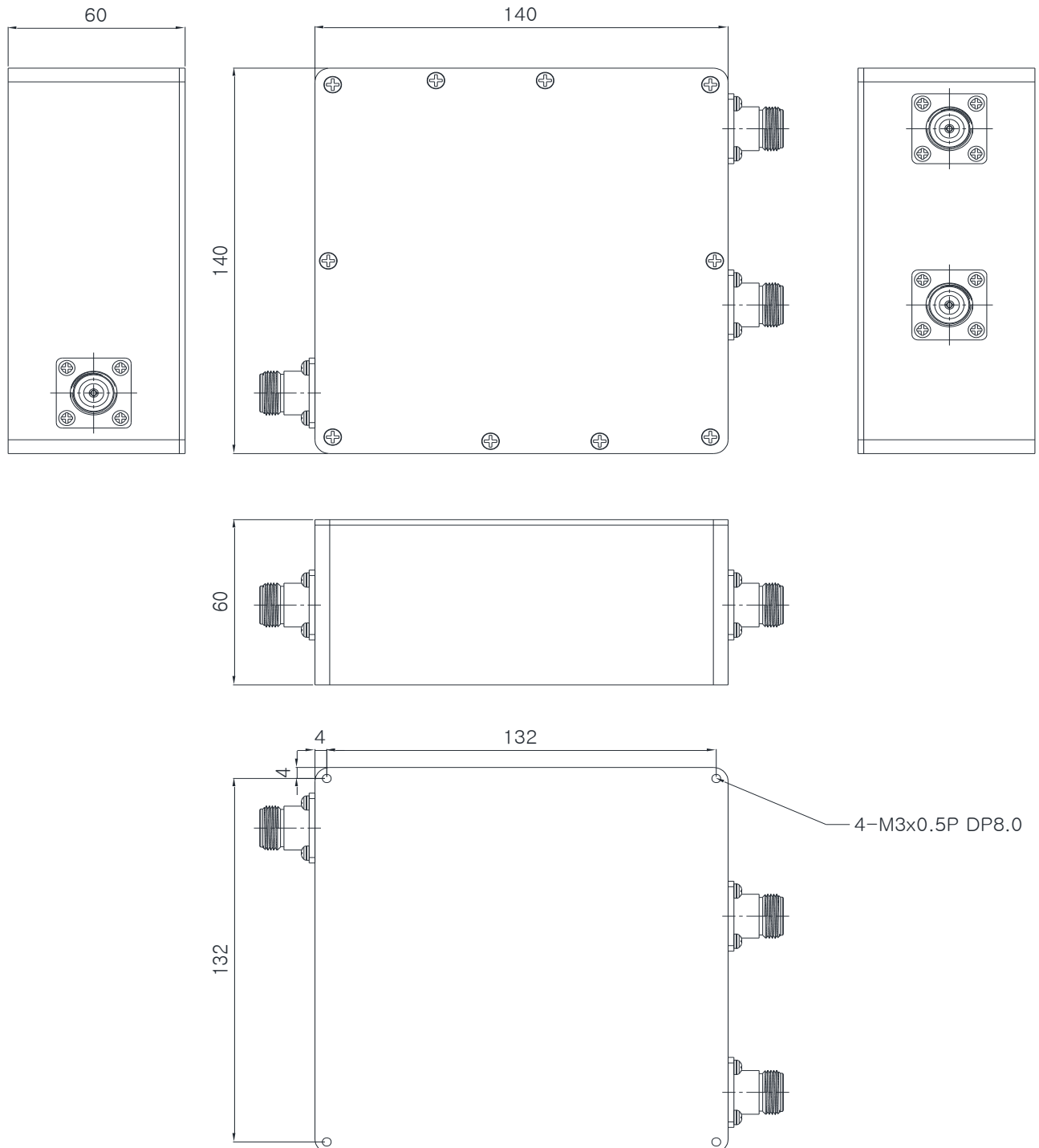
Product Name: Cavity Duplexer

Part No: MDP-C910.5-C931_29M_3MN-A-R0

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2022.07.27	Bryan Jeon	Michael Jeon

■ Mechanical Drawing



Note
 1. Connector: N(F)
 2. Finish: Black epoxy

Electrical Specification

Parameter	Specification		Remark
	TX	RX	
1. Center Frequency	931MHz	910.5MHz	
2. Bandwidth	Fc±1.5MHz [930~933MHz]	Fc±14.5MHz [896~925MHz]	
3. Insertion Loss in BW	1.5dB Max.	1.5dB Max.	
4. Ripple in BW	1.0dB Max.	1.0dB Max.	
5. Return Loss in BW	18dB Min.	18dB Min.	
6. Attenuation	60dB Min.@100~925MHz	50dB Min.@100~850MHz	
	40dB Min.@1000~3000MHz	60dB Min.@930~940MHz	
	35dB Min.@820~1000MHz	40dB Min.@940~3000MHz	
7. In/Out Impedance	50Ω		
8. Max Input Power	30W CW		
9. Connector	N-type		
10. Temperature Range	-10°C ~ +70°C		
11. Dimension(WxDxH)	30W CW		
12. Finish	Black epoxy coating		

Environmental Specifications

1. Operating Temperature Range	-10 ~ 70 °C	
2. Storage Temperature Range	-10 ~ 70 °C	
3. Relative Humidity	1 0% ~ 95%	
4. Random Vibration	MIL STD 810F Method 514.5 procedure C1. 3 axes, 20min. per each axis.	
5. Dust	MIL 810F Method 510.4 Procedure III settling dust	
6. Safety requirement	Approved according to UL/CE or similar standards.	

Remarks: This is a preliminary datasheet for reference.

Simulation Curve

