

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

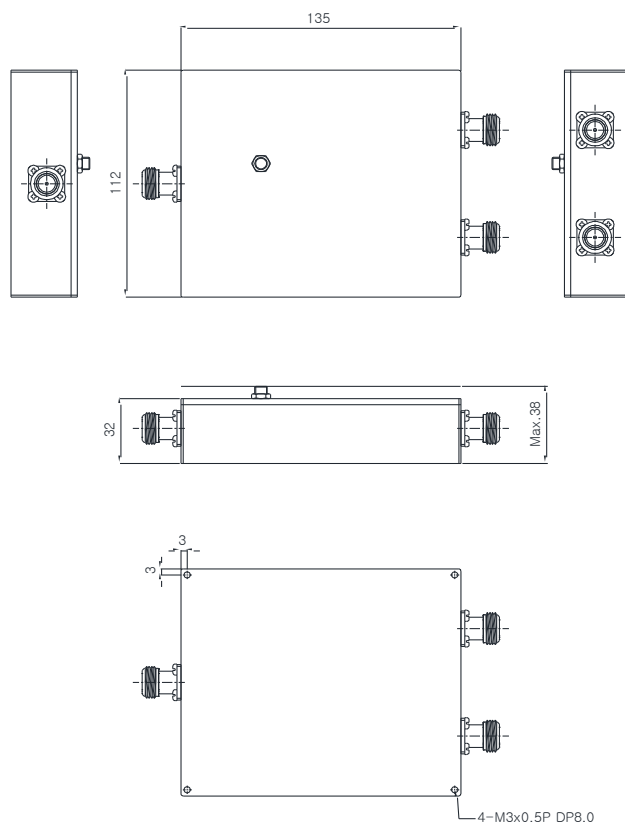
Product Name: Cavity Duplexer

Part No: MDP-C1950-C2140_60MN-B-R0

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2022.05.26	Bryan Jeon	Michael Jeon

■ Mechanical Drawing



■ Electrical Specification

Parameter	Specification		Remark
	LP Channel	HP Channel	
1. Center Frequency	1950MHz	2140MHz	
2. Bandwidth	$F_c \pm 30\text{MHz}$ [1920~1980MHz]	$F_c \pm 30\text{MHz}$ [2110~2170MHz]	
3. Insertion Loss in BW	0.5dB Max.	0.5dB Max.	
4. Ripple in BW	0.2dB Max.	0.2dB Max.	
5. Return Loss in BW	20dB Min.	20dB Min.	
6. Rejection	80dB Min. @2100~2170MHz	80dB Min. @1920~1980MHz	
	70dB Min. @DC~1800MHz	70dB Min. @DC~1800MHz	
	70dB Min. @3000~6000MHz	70dB Min. @3000~6000MHz	
7. In/Out Impedance	50Ω		
8. Input Power	53dBm CW Max.		
9. Connectors	N(f)		
10. Temperature Range	-40°C ~ +85°C		
11. Dimensions	135.0x112.x32.0mm		

Remarks: This is a preliminary datasheet for reference.

Simulation Curve

