

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

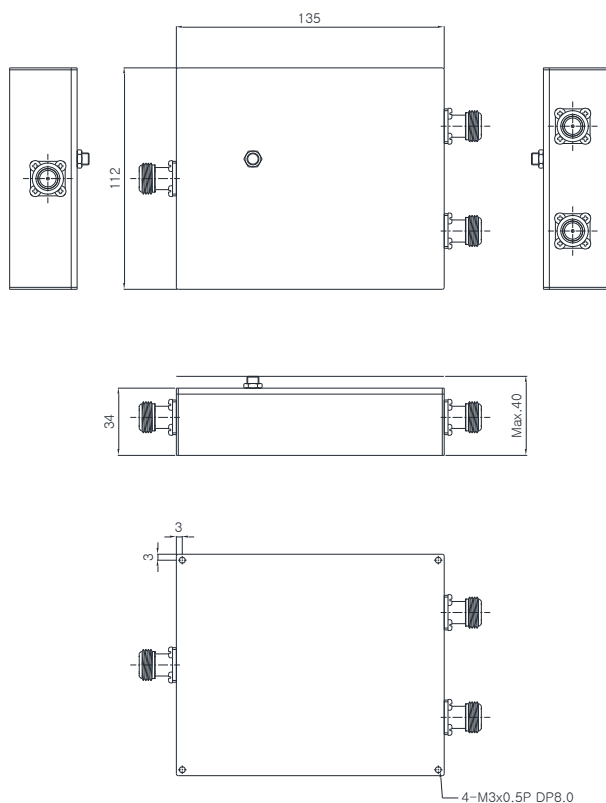
Product Name: Cavity Duplexer

Part No: MDP-C1747.5-C1842.5_75MN-B-R0

■ History List

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

■ Mechanical Drawing



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

■ Electrical Specification

Parameter	Specification		Remark
	LP Channel	HP Channel	
1. Center Frequency	1747.5MHz	1842.5MHz	
2. Bandwidth	$F_c \pm 37.5\text{MHz}$ [1710~1785MHz]	$F_c \pm 37.5\text{MHz}$ [1805~1880MHz]	
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	18dB Min.	18dB Min.	
6. Rejection	80dB Min. @1805~1880MHz	80dB Min. @1710~1785MHz	
	70dB Min. @DC~1600MHz	70dB Min. @DC~1600MHz	
	70dB Min. @2100~4000MHz	70dB Min. @2100~4000MHz	
7. In/Out Impedance	50Ω		
8. Input Power	50dBm CW Max.		
9. Connectors	N(f)		
10. Temperature Range	-40°C ~ +85°C		
11. Dimensions	135.0x112.x34.0mm		

Remarks: This is a preliminary datasheet for reference.

Simulation Curve

