

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

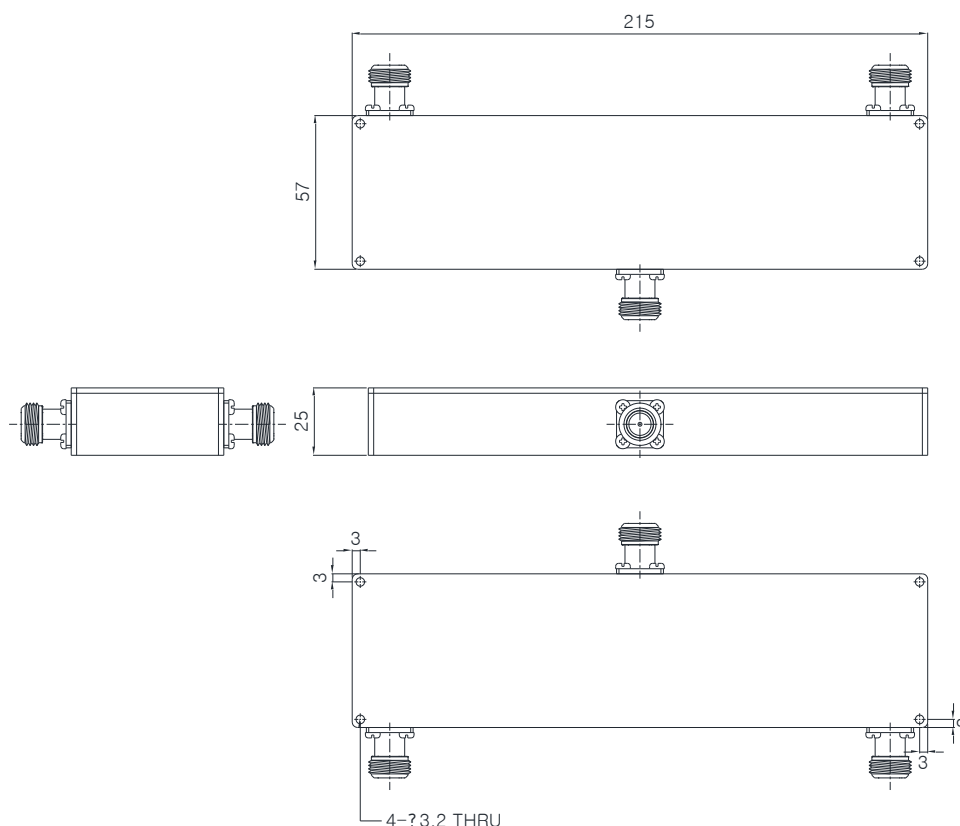
Product Name : Diplexer(LPF+HPF)

Part No : MDI-C126-C312.5_20M_175MN-A-R2

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2022.10.24	Bryan Jeon	Michael Jeon
2	R1	1. Has been changed topology from BPF to LPF+HPF.	2022.10.27	Bryan Jeon	Michael Jeon
3	R2	1.Has been changed insertion loss from 2.5dB to 2.0dB 2.Has been changed power rating from 50W to 100W	2023.01.05	Bryan Jeon	Michael Jeon

■ Mechanical Drawing



Note

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

■ Electrical Specification

Parameter	Specification		Remark
	VHF	UHF	
1. Center Frequency	126MHz	312.5MHz	
2. Frequency Range	$f_o \pm 10[116 \sim 136]\text{MHz}$	$f_o \pm 87.5[225 \sim 400]\text{MHz}$	
3. Insertion Loss in Pass Band	2.0dB Max.		
4. Ripple in Pass Band	1.5dB Max.		
5. VSWR in BW(S11,S22)	1.5 : 1max		
6. Isolation [Absolute Value]	33dBc Min. @ Each Band		
7. Input / Output Impedance	50Ω		
8. Power Handling	100W Each port		CW
9. Connectors	N-(f)		
10. Operating temp	-40 to +85°C		

Remarks: This is a preliminary datasheet for reference.

Simulation Curve

