

PRODUCT SPECIFICATION FOR INFORMATION

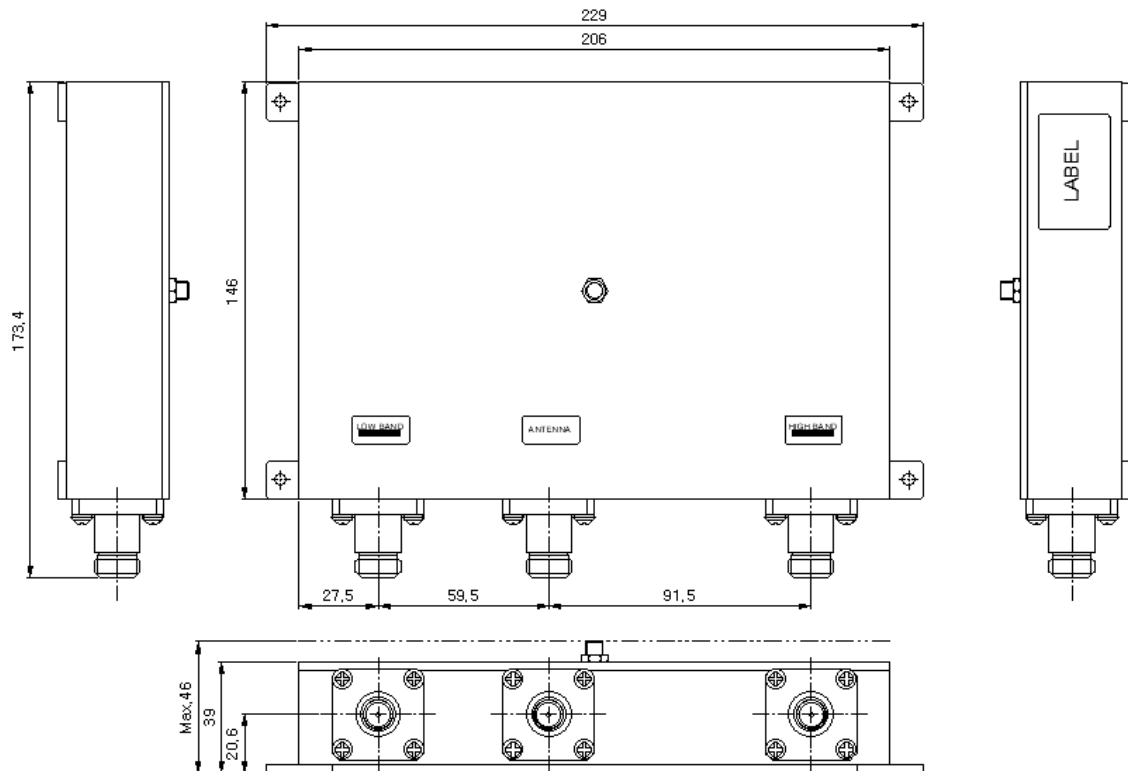
PRELIMINARY SPECIFICATION

Product Name : 782 10193 Type Diplexer

Part No : MDI-C1950-C2140_60M-60MN-A-R0

.	Rev. No.	Description	Date	Author	Final Approver
1	R0	First Draft	2025.03.13	Jeffrey Chung	Michael Jeon

■ Mechanical Drawing



Connector Height : 20.6mm (proposal)

■ Electrical Specification

Item	Specification		Remark
	Low Band	High Band	
1. Center Frequency	1950 MHz	2140 MHz	OK
2. Pass Band Frequency	$f_0 \pm 30 [1920 \sim 1980] \text{ MHz}$	$f_0 \pm 30 [2110 \sim 2170] \text{ MHz}$	OK
3. Insertion Loss	0.3 dB Max.	0.3 dB Max.	OK
4. VSWR	1.25 : 1 Max.		OK
5. Isolation	90dB min.		OK
6. In/Out Impedance	50 Ω		OK
7. Pimd	-160dBc(3rd order:2x20w)		OK
8. Input Power	250W Max.(low band or high band)		OK
9. Special features	Built-in DC stop between all ports		OK
10. Operation Temperature Range	-20°C ~ +55°C		OK
11. Dimension [WxDxH]	229.0 x 173.4 x 46.0 [mm]		OK
12. Connector	N (f)		OK
13. Weight	1.67kg Max.		
14. Finish	Grey Epoxy Painting		

■ Simulation Data

