

PRODUCT SPECIFICATION FOR INFORMATION

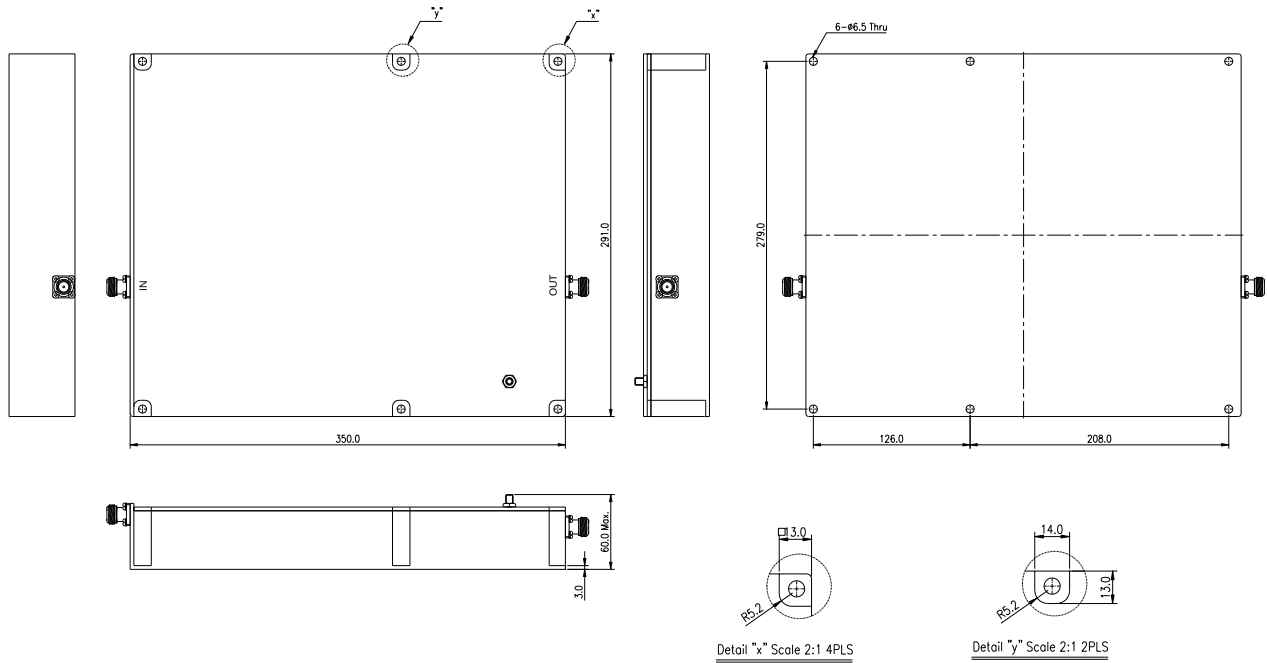
PRELIMINARY SPECIFICATION

**Product Name : Single Input Single Output
Diplexer**

Part No : MDI-C1233-C1588_134M-64MN -A-R1

	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2024.09.30	Jeffrey Chung	Michael Jeon
2	R1	Changed size & spec.	2024.10.07	Jeffrey Chung	Michael Jeon

■ Mechanical Drawing



■ Electrical Specification

Parameter	Specification		Remark
	Low Band	High Band	
1. Center Frequency	1233MHz	1588MHz	OK
2. Bandwidth	Fc $\pm$ 67MHz [1166~1300MHz]	Fc $\pm$ 32MHz [1556~1620MHz]	OK
3. Insertion Loss in BW	0.6dB Max.	0.6dB Max.	Proposal
4. Passband Ripple	0.4dB Max.	0.4dB Max.	Proposal
5. Return Loss	22dB Min.		OK
6. Rejection	70dB Min. @dc~1000MHz		OK
	60dB Min. @1000~1100MHz		OK
	55dB Min. @1100~1129MHz		OK
	40dB Min. @1131~1148MHz		OK
	40dB Min. @1316~1335MHz		OK
	55dB Min. @1335~1366MHz		OK
	65dB Min. @1366~1472MHz		OK
	55dB Min. @1472~1512MHz		OK
	40dB Min. @1512~1536MHz		OK
	40dB Min. @1631~1655MHz		OK
	55dB Min. @1655~1695MHz		OK
	40dB Min. @1695~20000MHz		Proposal
7. In/Out Impedance	50 Ohm		OK
8. Power Handling	300 Watt Max.		Proposal
9. Operation Temperature	-40 ~ + 85°C		OK
10. Dimension [WxDxH]	279.0 x 350.0 x 60.0mm		Proposal
11. Interface	N(F)		OK
12. Finish	Black		TBD

Remarks: This is a preliminary datasheet for reference.

■ Environmental Specification

Parameter	Specification	Remark
1. Vibration	Random 9g 10~2000Hz	OK
2. Altitude	3500m	OK
3. Relative Humidity	95%	OK

■ Simulation Curve

