

PRODUCT SPECIFICATION FOR INFORMATION

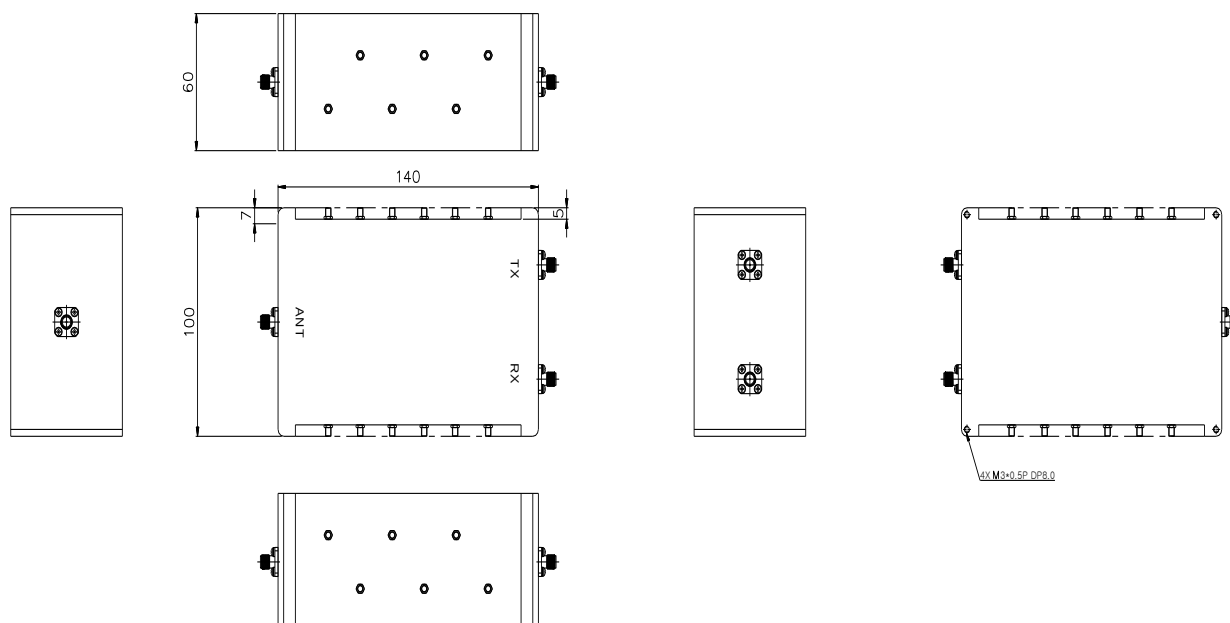
PRELIMINARY SPECIFICATION

Product Name : Diplexer

Part No : MDI-C902.5-C947.5_25M-25MS-A-R0

.	Rev. No.	Description	Date	Author	Final Approver
1	R0	First Draft	2025.02.13	Jeffrey Chung	Michael Jeon

■ Mechanical Drawing



■ Electrical Specification

Item	Specification		Remark
	RX	TX	
1. Center Frequency	902.5 MHz	947.5 MHz	OK
2. Pass Band Frequency	$f_0 \pm 12.5 [890 \sim 915] \text{ MHz}$	$f_0 \pm 12.5 [935 \sim 960] \text{ MHz}$	OK
3. Insertion Loss	0.7 dB Max.	0.7 dB Max.	Proposal
4. Return Loss	18.0dB Min.		OK
5. Attenuation	70dB min. @935~960MHz	70dB min. @890~915MHz	OK
6. In/Out Impedance	50 Ω		OK
7. Input Power	40 W Max.		OK
8. Operation Temperature Range	-40°C ~ +85°C		OK
9. Dimension [WxDxH]	140.0 x 100.0 x 60.0 [mm]		OK
10. Connector	SMA(f)		OK
11. Weight	0.8kg Max.		OK
12. Finish	Black Painting		Proposal

■ Simulation Data

