

PRODUCT SPECIFICATION FOR INFORMATION

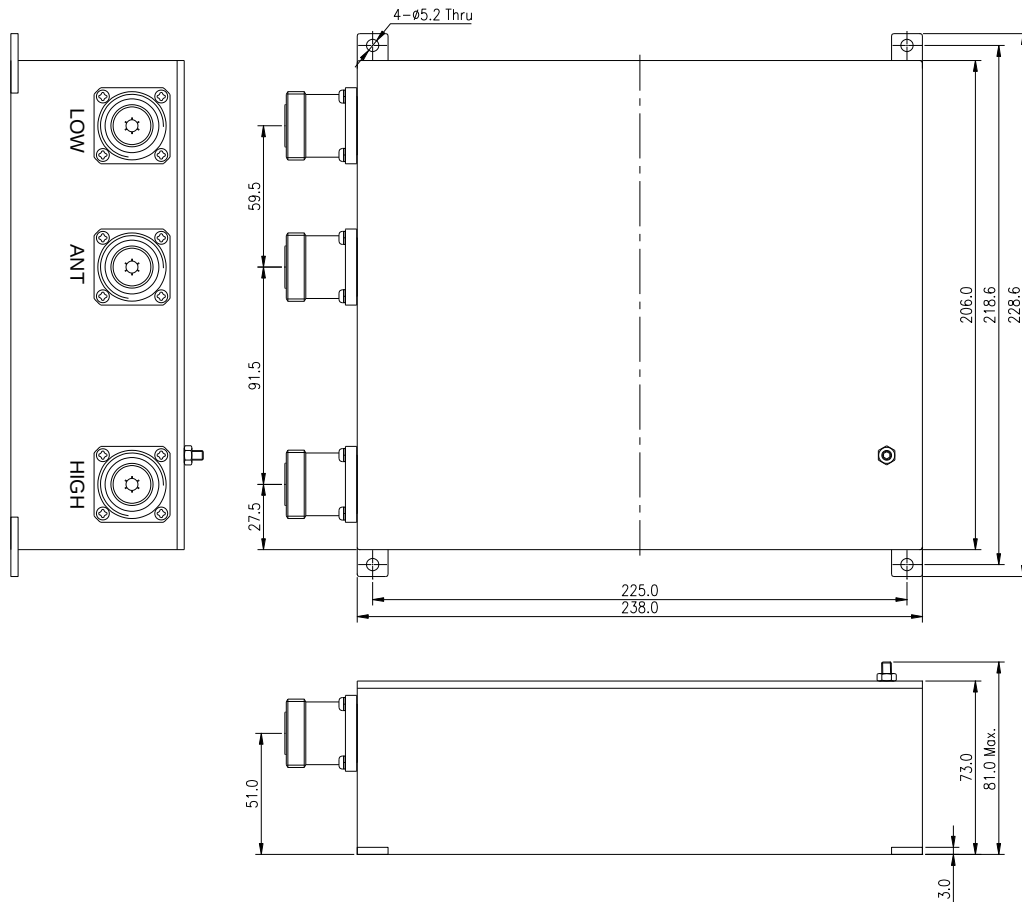
PRELIMINARY SPECIFICATION

Product Name : Diplexer

Part No : MDI-C897.5-C942.5_35M-35MD-A-R0

.	Rev. No.	Description	Date	Author	Final Approver
1	R0	First Draft	2025.03.10	Jeffrey Chung	Michael Jeon

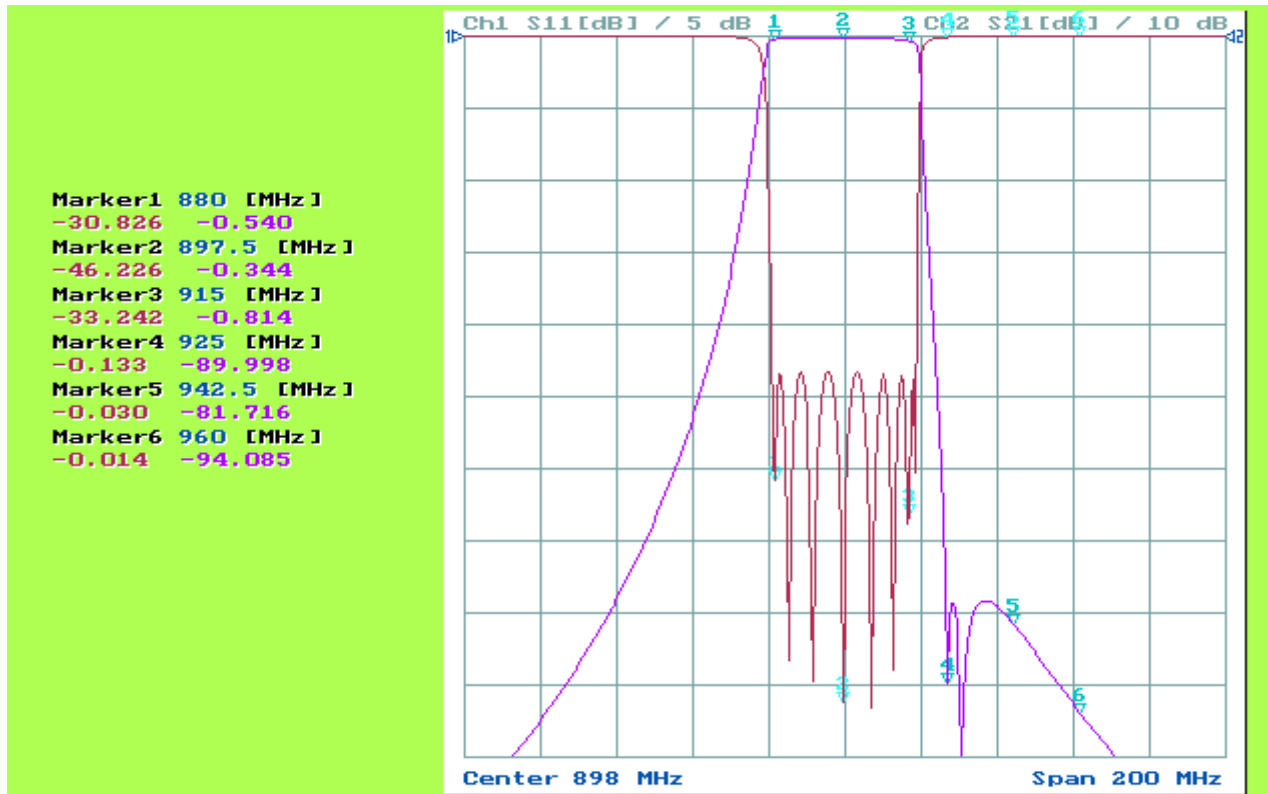
■ Mechanical Drawing



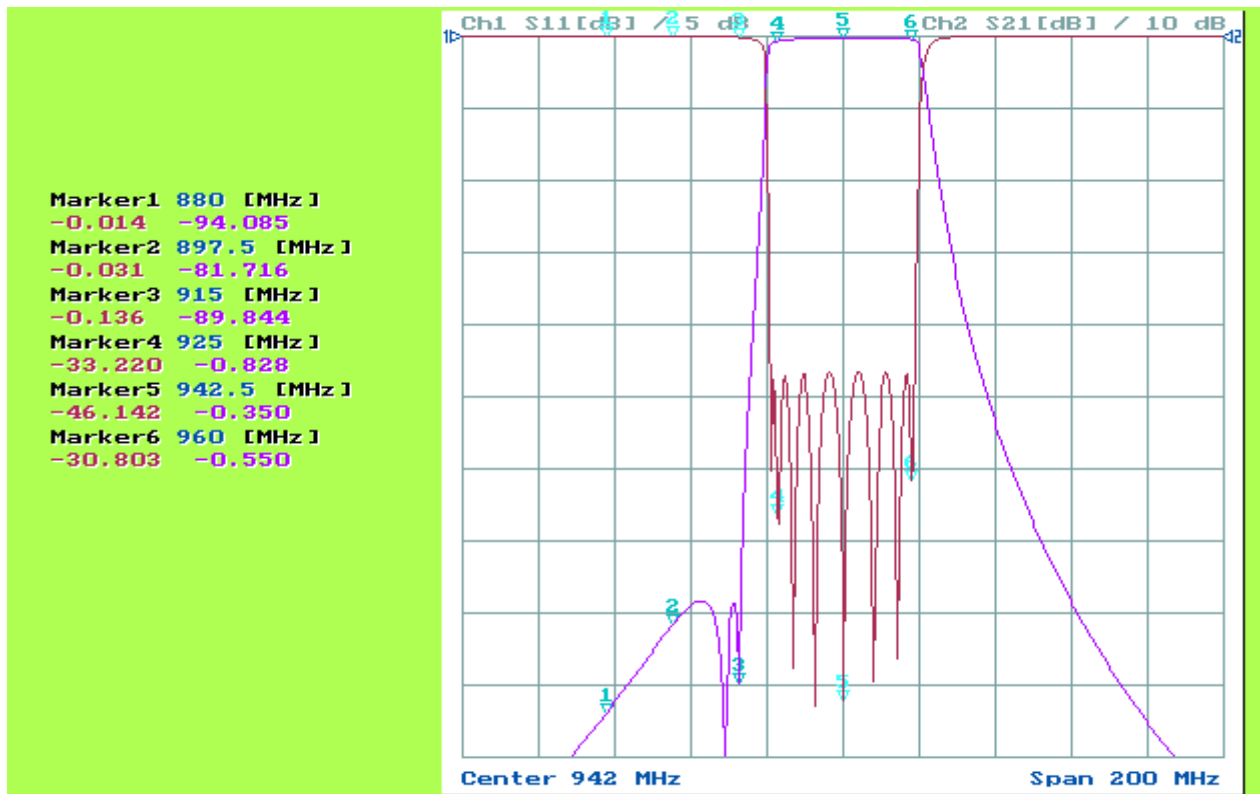
■ Electrical Specification

Item	Specification		Remark
	Low Band	High Band	
1. Center Frequency	897.5 MHz	942.5 MHz	OK
2. Pass Band Frequency	$f_0 \pm 17.5 [880 \sim 915] \text{ MHz}$	$f_0 \pm 17.5 [925 \sim 960] \text{ MHz}$	OK
3. Insertion Loss	0.9 dB Max.	0.9 dB Max.	OK
4. VSWR	1.25 : 1 Max.		OK
5. Isolation	75dB 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 260.0 x 81.0 [mm]		OK
12. Connector	Din 7-16(f)		OK
13. Weight	4.6kg Max.		
14. Finish	Grey Epoxy Painting		

■ Simulation Data



880~915MHz



925~960MHz