

PRODUCT SPECIFICATION FOR INFORMATION

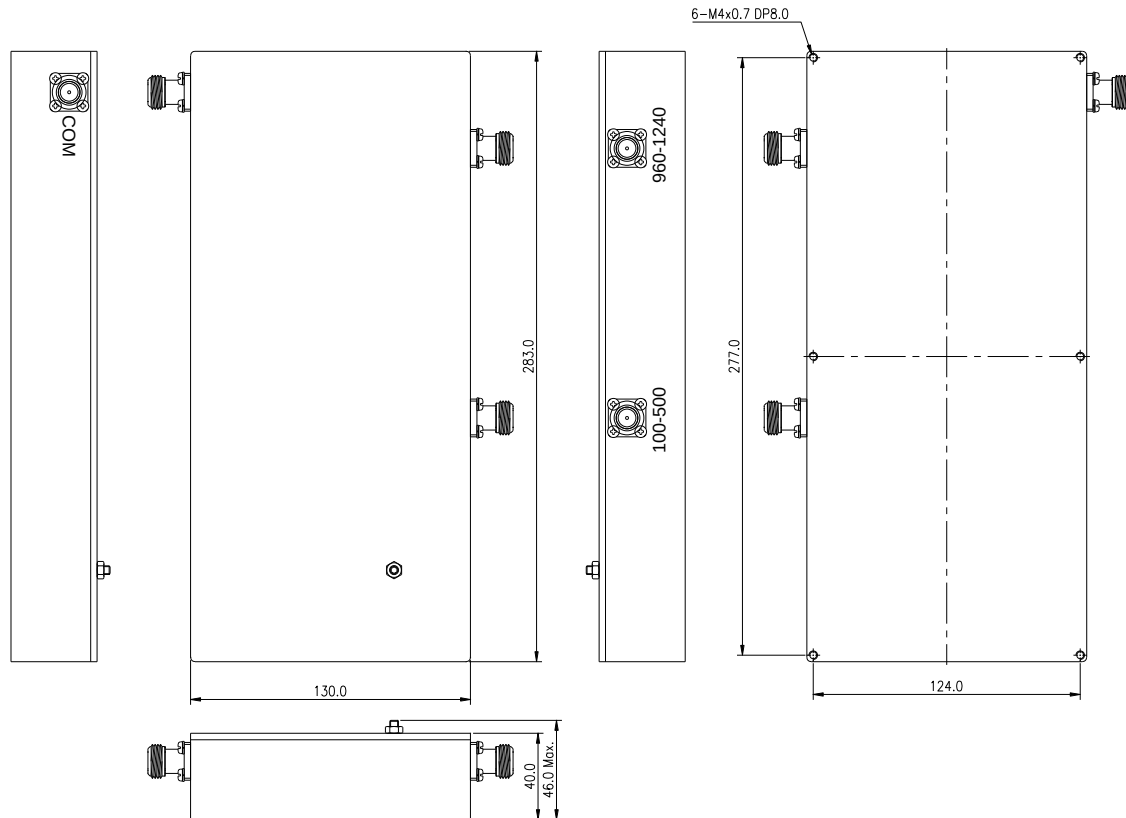
PRELIMINARY SPECIFICATION

Product Name : Diplexer

Part No : MDI-C300-C1100_400M-280MN-A-R2

.	Rev. No.	Description	Date	Author	Final Approver
1	R0	First Draft	2024.01.15	Jeffrey Chung	Michael Jeon
2	R1	Changed rejection	2024.01.30	Jeffrey Chung	Michael Jeon
3	R2	Added operating temp	2024.01.30	Jeffrey Chung	Michael Jeon

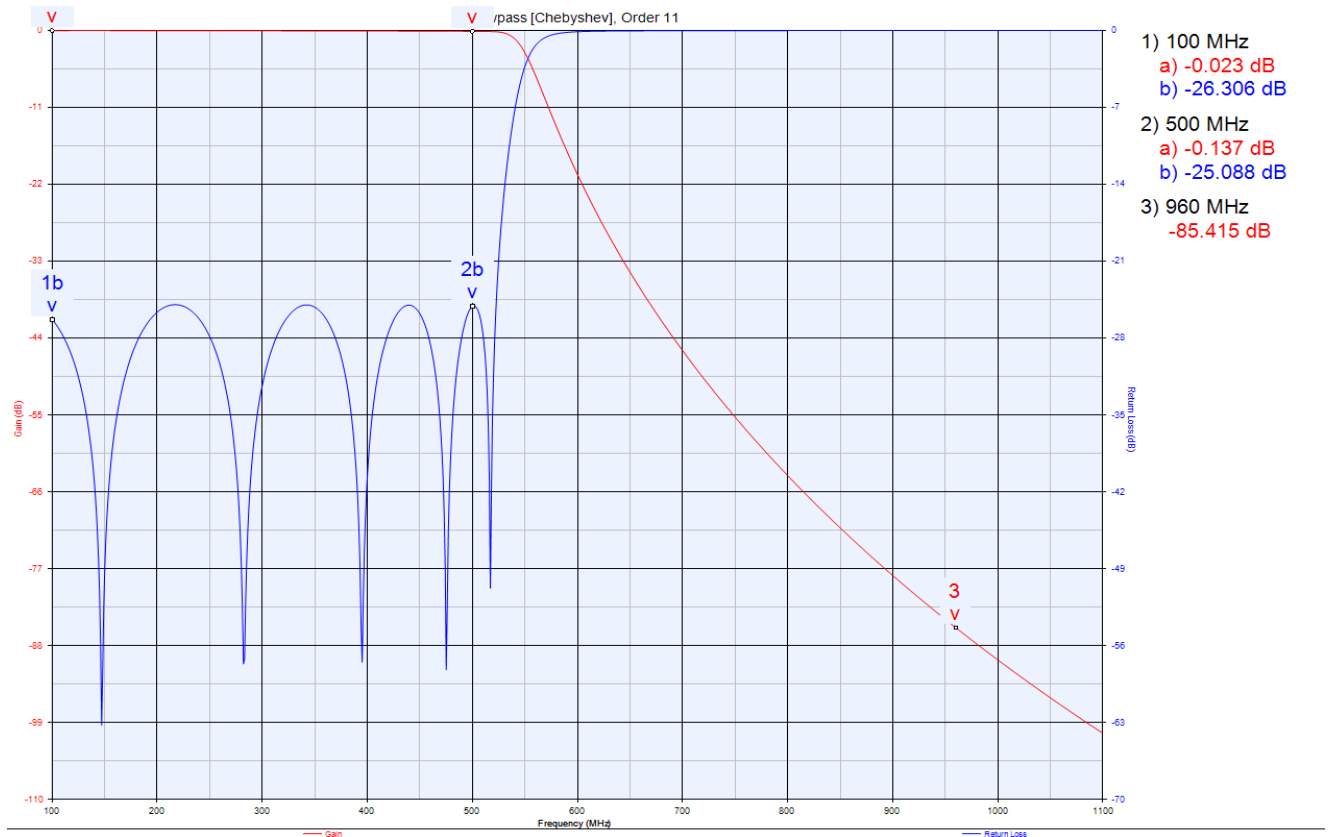
■ Mechanical Drawing



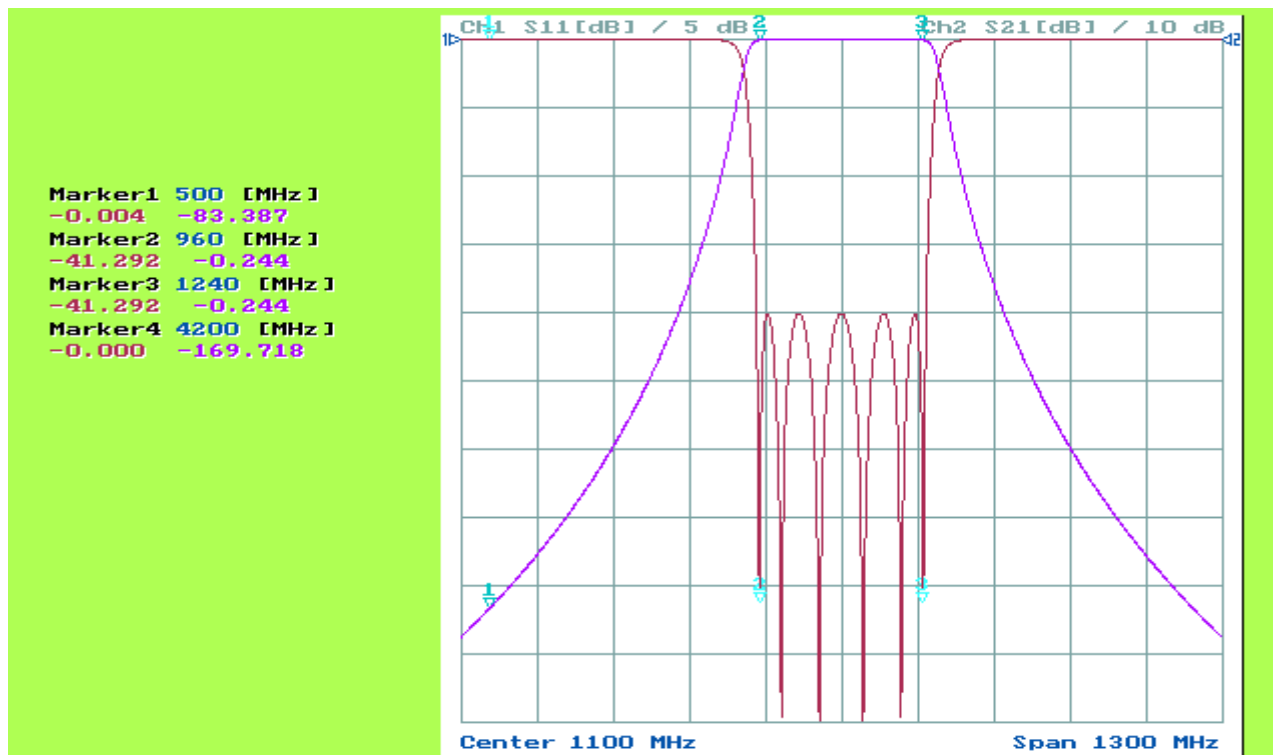
■ Electrical Specification

Item	Specification		Remark
	F1	F2	
1. Center Frequency	300 MHz	1100 MHz	
2. Pass Band Frequency	$f_0 \pm 200 [100 \sim 500] \text{ MHz}$	$f_0 \pm 140 [960 \sim 1240] \text{ MHz}$	
3. Insertion Loss	0.8 dB Max.		
4. V.S.W.R.	1.5:1 (14 dB) Min.		
5. Isolation	80dB Min.		
6. In/Out Impedance	50 Ω		
7. Power	200 W Max.		
9. Temperature Range	-20°C ~ +55°C		
10. Dimension [WxDxH]	283.0x130.0x46.0mm		
11. Connector	N(F)		
12. Finish	Black		

Simulation Data



<100-500MHz>



<960-1240MHz>