

PRODUCT SPECIFICATION FOR INFORMATION

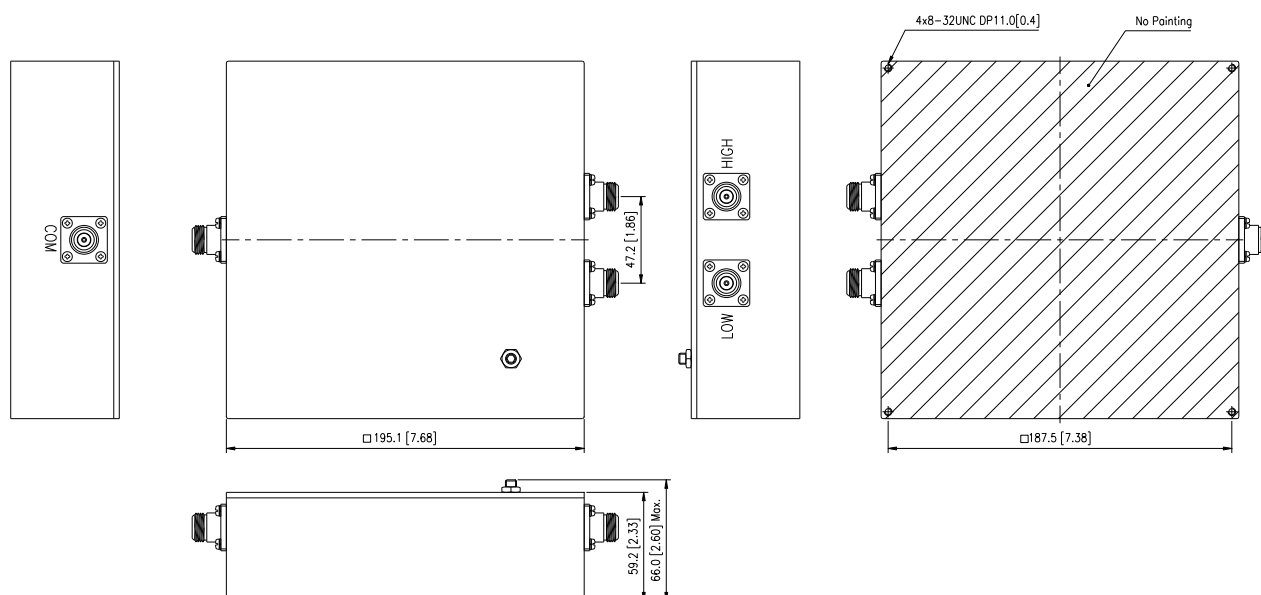
PRELIMINARY SPECIFICATION

Product Name : Diplexer

Part No : MDI-C1238-C1580_46M-60MN-A-R0

.	Rev. No.	Description	Date	Author	Final Approver
1	R0	First Draft	2023.10.26	Jeffrey Chung	Michael Jeon

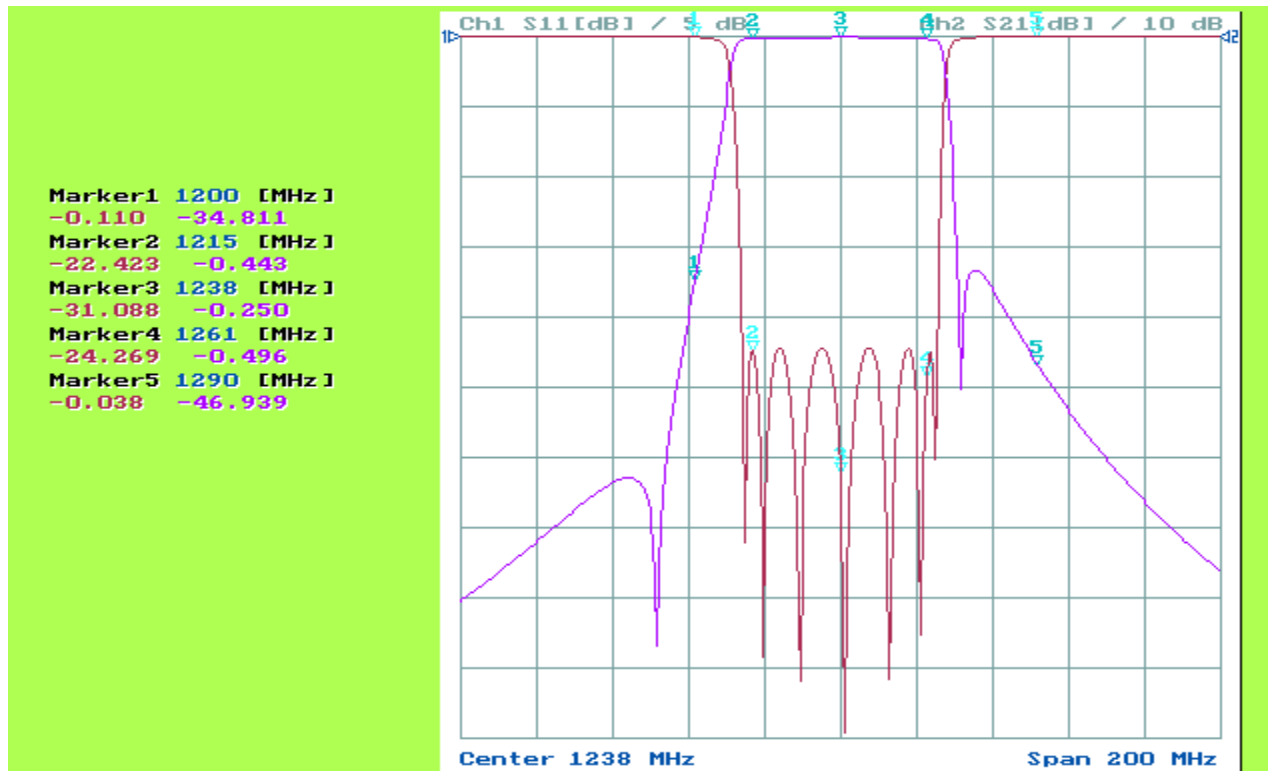
■ Mechanical Drawing



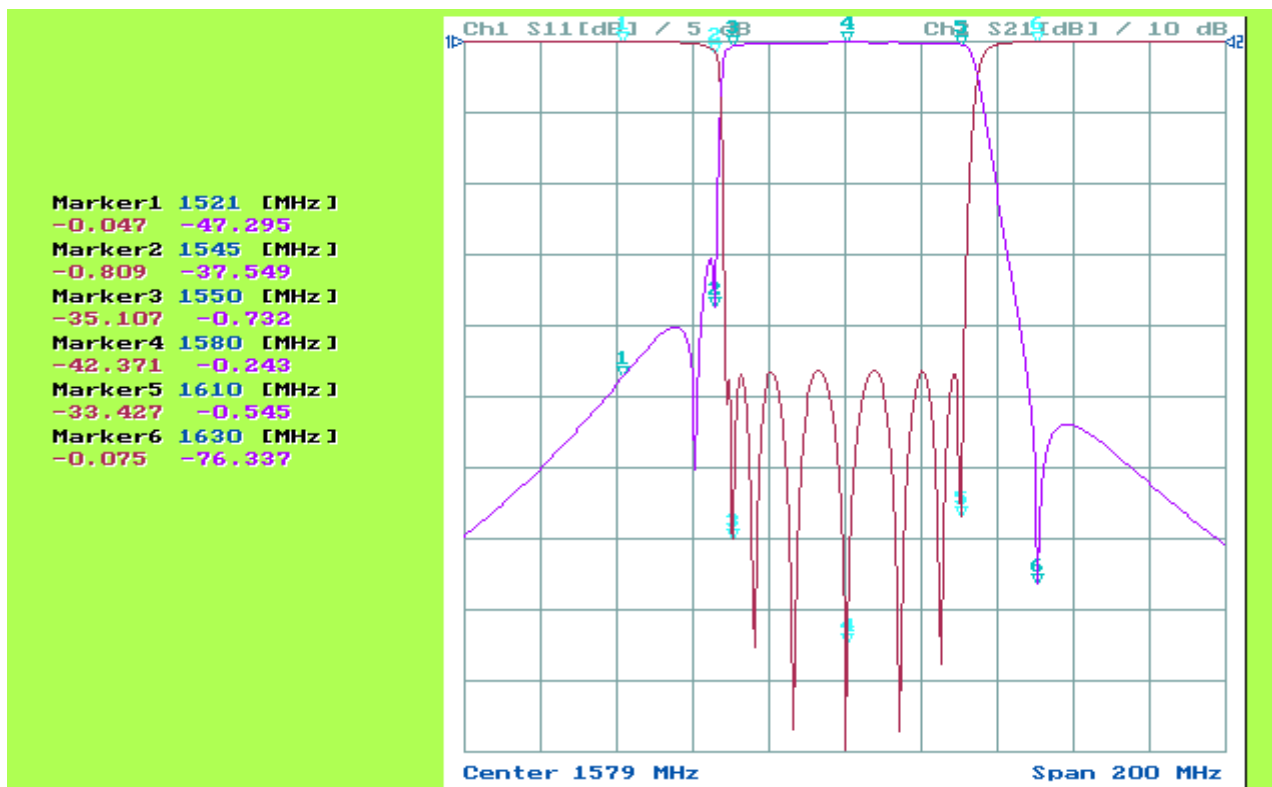
■ Electrical Specification

Item	Specification		Remark
	F1	F2	
1. Center Frequency	1238 MHz	1580 MHz	OK
2. Pass Band Frequency	$f_0 \pm 23$ [1215~1261]MHz	$f_0 \pm 30$ [1550~1610]MHz	OK
3. Insertion Loss	0.6 dB Max.	0.9 dB Max.	PROPOSAL
4. Ripple	0.5 dB Max.	0.6 dB Max.	PROPOSAL
5. Return Loss	17dB Min.		OK
6. Attenuation	60dB min. 65dBtyp. @DC~1151MHz	60dB min. 65dBtyp. @DC~1261MHz	OK
	35dB min. @1151~1182MHz	60dB min. 65dBtyp. @1261~1481MHz	OK
	30dB min. @1182~1200MHz	60dB min. 65dBtyp. @1481~1521MHz	OK
	30dB min. @1270~1290MHz	60dB min. 65dBtyp. @1521~1545MHz	OK
	35dB min. 40dBtyp. @1290~1320MHz	60dB min. 65dBtyp. @1630~1695MHz	OK
7. In/Out Impedance	50 Ω		OK
8. Power	Each Path 300 W		OK
9. Temperature Range	-10°C ~ +65°C		OK
10. Dimension [WxDxH]	7.68x7.68x2.6 [INCH]		OK
11. Connector	N(f)		OK
12. Finish	Epoxy Gray		OK

■ Simulation Data



<1215-1261>



<1550-1610>