

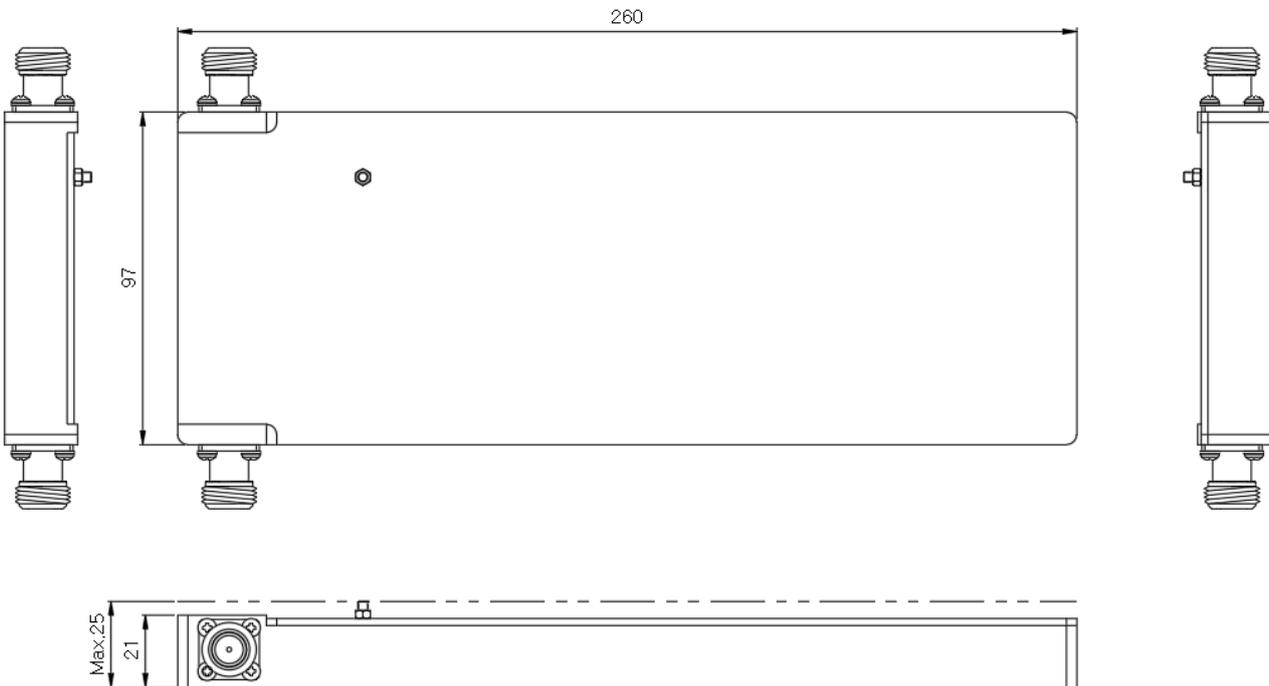
PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

Product Name : Low Pass Filter
Part No : MLP-C300_500MN-A-R0

	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2025.08.21	Jeffrey Chung	Michael Jeon

■ Mechanical Drawing



■ Electrical Specification

Parameter	Specification	Remark
1. Passband	100 ~ 500MHz	OK
2. Insertion Loss	0.5dB Max.	OK
3. Return Loss	18.0dB Min.	OK
4. Rejections	50dB Min.@ 600~3000MHz	OK
5. Impedance	50 Ohms	OK
6. Power Handling	300W	OK
7. Operating Temperature	-20℃~+80℃	OK
8. Storage Temperature	-40℃~+85℃	OK
9. Size (W × D × H)	260 x 97 x 25 mm	Proposal
10. Connectors	N(F)	OK
11. Random Vibration	MIL-STD-202F Random Vibration Method 214	OK
12. Operating Altitude	70,000 Feets(Max.)	OK
13. Finish	Black epoxy	TBD

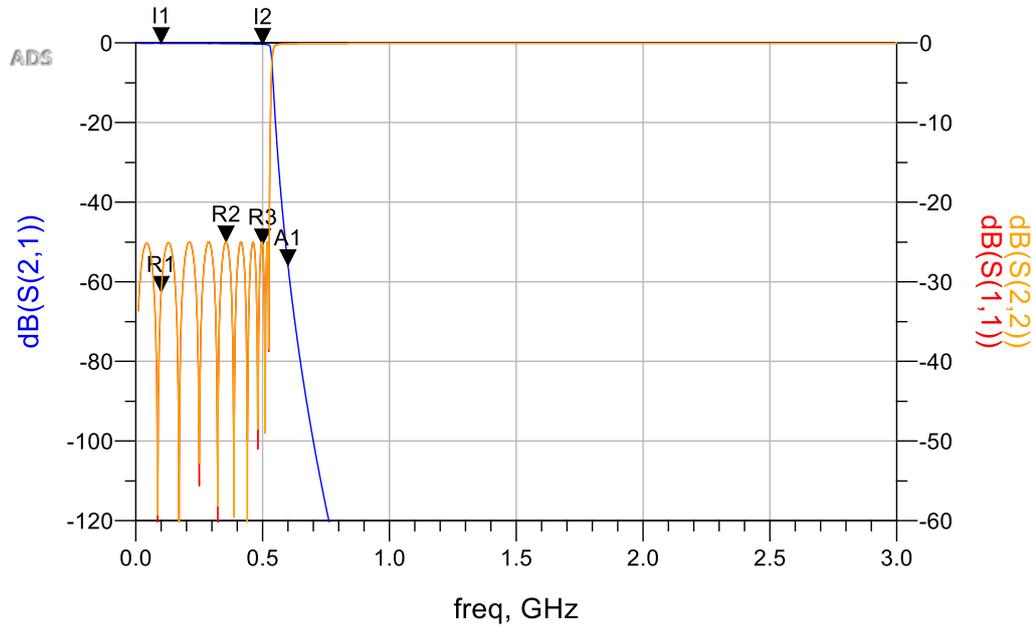
Remarks: This is a preliminary datasheet for reference. The final performance is subject to the sample.

Simulation Curve

Insertion loss
[dB]

I1
freq=100.00MHz
dB(S(2,1))=-0.1304

I2
freq=500.00MHz
dB(S(2,1))=-0.3544



Rejection [dB]

A1
freq=600.00MHz
dB(S(2,1))=-55.9254

Return loss
[dB]

R1
freq=100.00MHz
dB(S(1,1))=-31.3119

R2
freq=356.00MHz
dB(S(1,1))=-24.9835

R3
freq=500.00MHz
dB(S(1,1))=-25.3682