

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

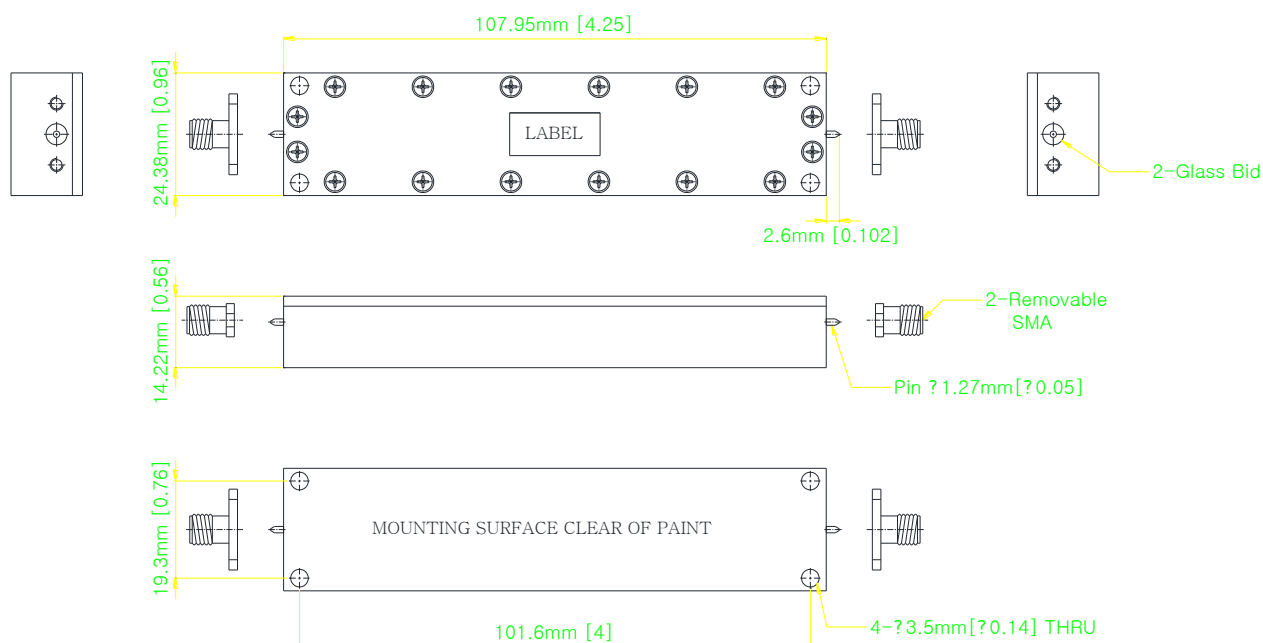
Product Name: LC Low Pass Filter

Part No: MLP-C460_920MS-A-R0

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2023. 2. 2.	Jeffrey Jeong	Michael Jeon

■ Mechanical Drawing



■ Electrical Specification

Parameter	Specification	Remark
1. Passband	80 ~ 1000MHz	
2. Insertion Loss	0.5dB Max.	
3. Passband Ripple	0.4dB(P to P) Max.	
4. Return Loss	18dB Min	
5. Attenuation	40dB Min.@ 1.2GHz	45dB Typ.
	60dB Min.@ 1.5 ~ 6GHz	70dB Typ.
6. In/Out Impedance	50Ω	
7. Power Handling	60W @ VSWR3:1	
8. Operation Temperature Range	-40°C to +71°C	
9. Storage Temperature	-59°C to +85°C	
10. Connectors	SMA(F) removable	
11. Size	4.25 X 0.96 X 0.56 Inches	

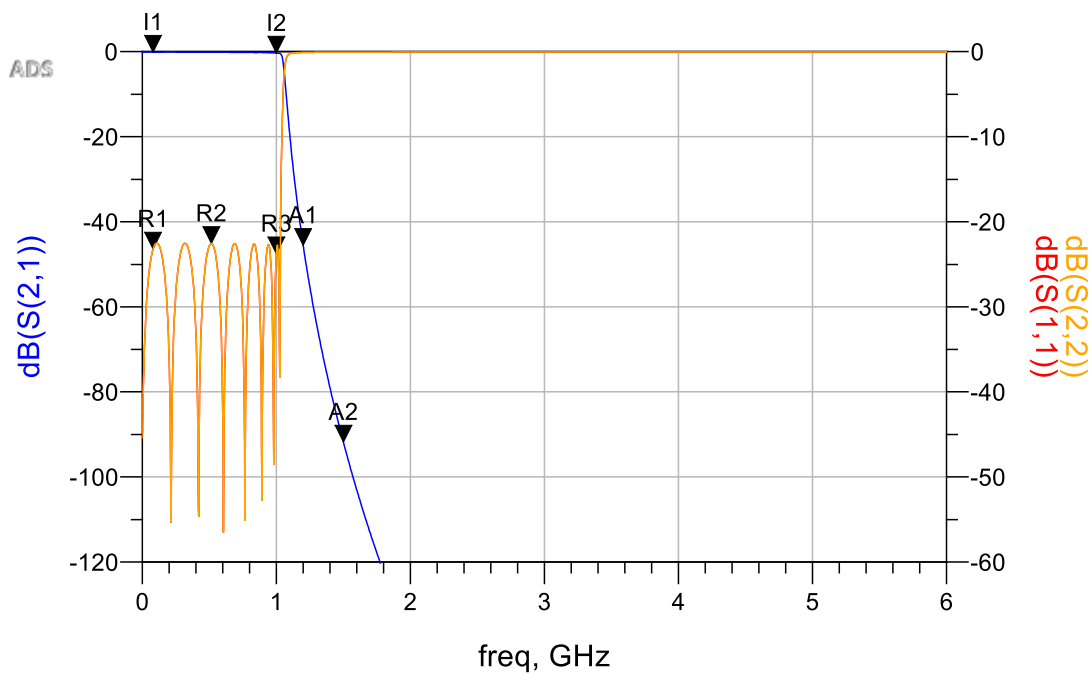
Remarks: This is a preliminary datasheet for reference.

■ Simulation Curves

Insertion loss
[dB]

I1
freq=80.000MHz
dB(S(2,1))=-0.1289

I2
freq=1.0000GHz
dB(S(2,1))=-0.3527



Rejection [dB]

A1
freq=1.2000GHz
dB(S(2,1))=-45.5593

A2
freq=1.5000GHz
dB(S(2,1))=-91.8238

Return loss
[dB]

R1
freq=80.000MHz
dB(S(1,1))=-23.2255

R2
freq=515.00MHz
dB(S(1,1))=-22.5549

R3
freq=1.0000GHz
dB(S(1,1))=-23.7759