PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

Product Name: Cavity Low Pass Filter

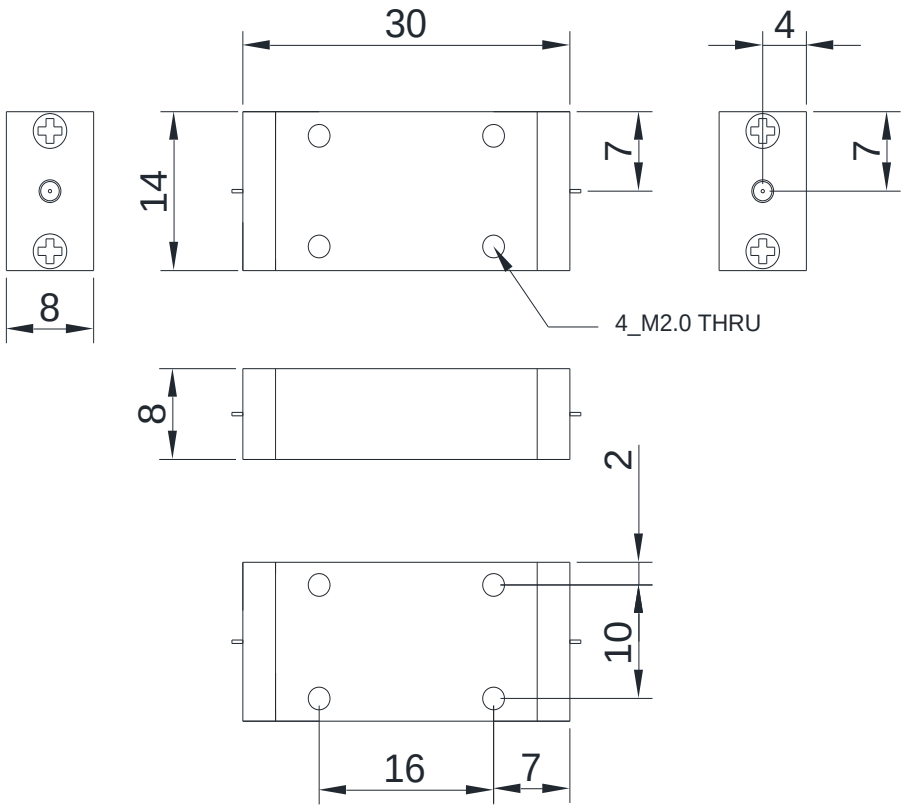
Part No: MLP-C7.6_1.8GS-A-R1

■ **History List**

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2021.11.29	Bryan Jeon	Michael Jeon
2	R1	1.Has changed filter size from 46×20×13mm to 30x14x8mm 2.Has changed rejection value from 20dBc Min.@ 33.5~42.5GHz to 10dBc Min.@ 33.5~42.5GHz	2021.12.27	Bryan Jeon	Michael Jeon

Copyright ⓒ 2013-2021 MISOTECH. All rights reserved

■ Mechanical Drawing



Note
1. Connector: Glass Bead (TL-106)
2. Finish: Silver Plated

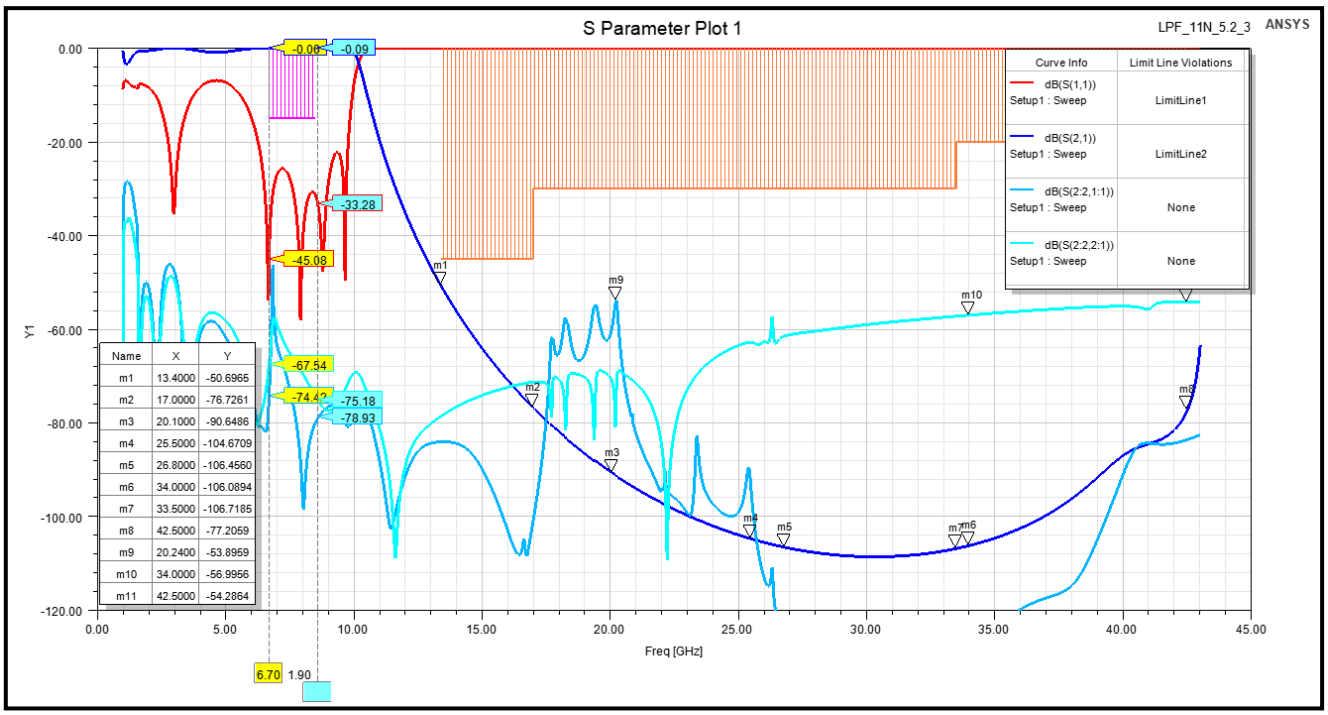
■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	7.6GHz	
2. Pass Band	Fc ±0.9GHz[6.7~8.5GHz]	
3. Insertion Loss	0.3dB Max.	
4. VSWR (Return Loss)	1.43:1 Max. (15.04dB Min.)	
5. Attenuation	45dBc Min.@ 13.4~17.0GHz	
	30dBc Min.@ 20.1~25.5GHz	
	30dBc Min.@ 26.8~34.0GHz	
	10dBc Min.@ 33.5~42.5GHz	
6. Power Handling	20W	
7. In / Out Impedance	50Ω	
8. Size	30.0 × 14.0 × 8.0mm (Without Connectors)	
9. Operating Temperature	-40℃ to +70℃	

Remarks: This is a preliminary datasheet for reference.

Copyright ⓒ 2013-2021 MISOTECH. All rights reserved

■ Simulation Curve



S-Parameter

Copyright ⓒ 2013-2021 MISOTECH. All rights reserved