

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

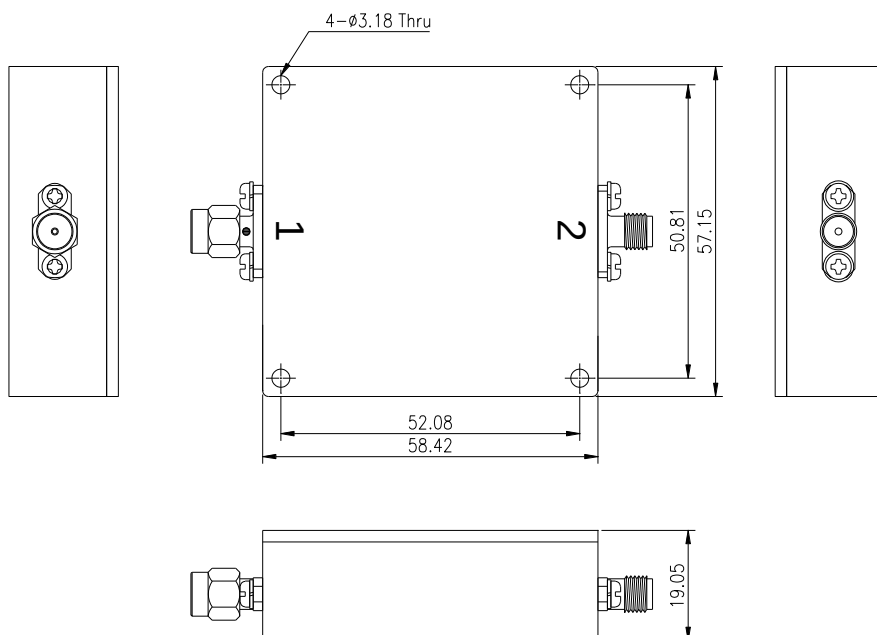
Product Name: Band Pass Filter

Part No: MBP-C460_30MS-A-R0

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2022.12.15	Bryan Jeon	Michael Jeon

■ Mechanical Drawing



Note

1. Connector: SMA(F)
2. Finish: Black Epoxy Painting

■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency [fo]	460MHz	
2. Bandwidth [3dB BW]	$F_c \pm 15\text{MHz}$ [445~475MHz]	
3. Insertion Loss in fo	1.0dB Max.	
4. Ripple in BW	0.8dB Max.	
5. VSWR in BW	1.4:1 Max.	
6. Attenuation	45dB Min.@ 50~211MHz	
	45dB Min.@ 660~680MHz	
7. In/Out Impedance	50Ω	
8. Power Handling	1W	CW
9. Connector	1: SMA-M, 2: SMA-F	
10.Dimension	57.15x58.42x19.05mm	
11. Temperature Range	-20°C to +80°C	
12. Relative Humidity	10%~95%	
13. Random Vibration	MIL-STD-810 F Method 514.5 procedure C1. 3 axes , 20 min. per each axis.	
14. Shock	20g, 11msec half saw tooth, Design to meet.	
15. Dust	MIL 810F Method 510.4 Procedure III settling dust Safety requirement: approved according to UL/CE or similar standards	

Remarks: This is a preliminary datasheet for reference.

■ Simulation Curve

