

PRODUCT SPECIFICATION FOR INFORMATION

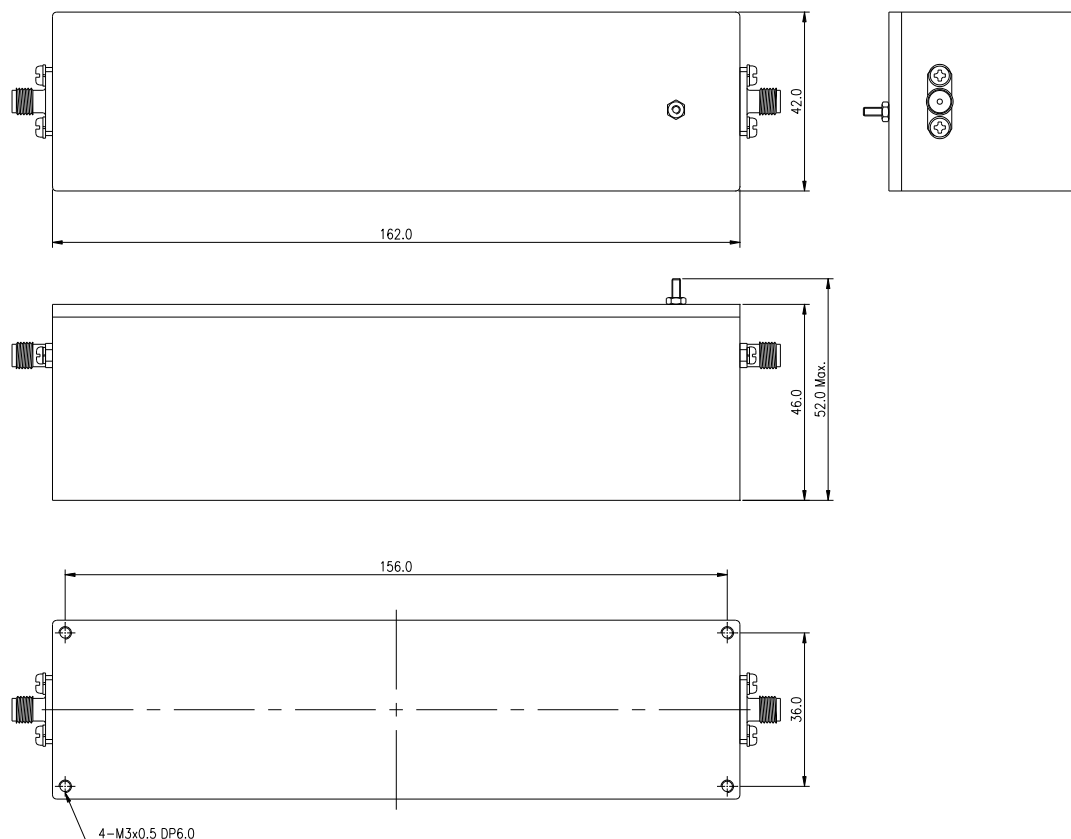
PRELIMINARY SPECIFICATION

Product Name : Cavity Band Pass Filter

Part No : MBP-C922.5_75MS-A-R0

	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2024.07.31	Jeffrey Chung	Michael Jeon

■ Mechanical Drawing



■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	922.5 MHz	OK
2. Bandwidth [BW]	$F_c \pm 37.5\text{MHz}$ [885~960MHz]	OK
3. Insertion Loss in BW	1.0dB Max.	OK
4. VSWR	1.4 : 1 Max.	OK
5. Rejections	70dB Min.@ 10 ~ 5000MHz	OK
	20dB Min.@ 500 ~ 850MHz	OK
	70dB Min.@ 1400 ~ 2600MHz	OK
6. In/Out Impedance	50 Ohm	OK
7. Power Handling	20Watt CW Max	OK
8. Dimension [WxDxH] [mm]	42.0 x 162.0 x 52.0 mm	PROPOSAL
9. Connector	SMA(F)	OK
10. Finish	Black Epoxy Coating	OK

Remarks: This is a preliminary datasheet for reference.

■ Environmental Specification

Parameter	Specification	Remark
1. Operation Temperature Range	-20°C ~ +80°C	OK
2. Storage Temperature range	-20°C ~ +80°C	OK
3. Relative Humidity	10~95%	OK
4. Random Vibration	MIL-STD-810 F Method 514.5 procedure C1. 3 axes , 20 min. per each axis.	OK
5. Dust	MIL 810F Method 510.4 Procedure III settling dust	OK
6. Safety requirement	approved according to UL/CE or similar standards	OK

■ Simulation Curve

