

PRODUCT SPECIFICATION FOR INFORMATION

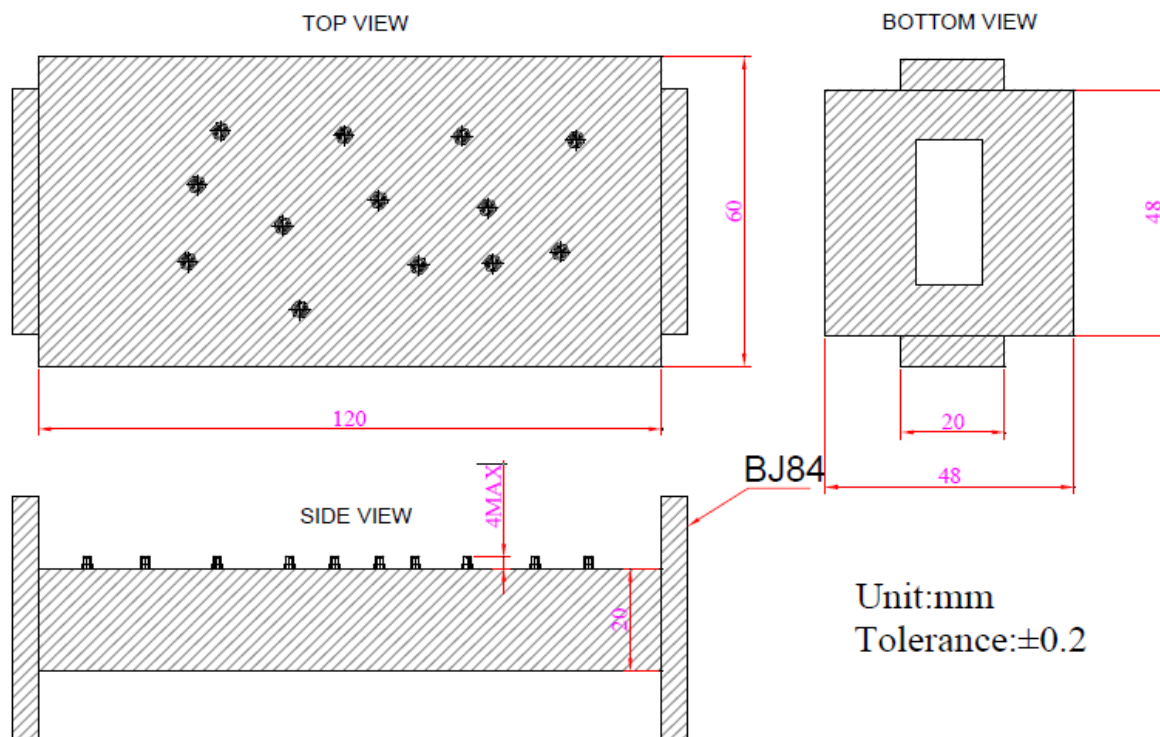
PRELIMINARY SPECIFICATION

Product Name : Waveguide Band Pass Filter

Part No : MBP-C8150_500MF-A-R0

	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2025.02.13	Jeffrey Chung	Michael Jeon

■ Mechanical Drawing



■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	8150MHz	OK
2. Passband	$F_c \pm 250 \text{ MHz}$ [7900~8400 MHz]	OK
3. Bandwidth	500MHz	OK
4. Insertion Loss in Passband	1.8dB Max.	Proposal
5. VSWR	2.0:1 Max..	OK
6. Rejections	85dB Min.@ 7250~7950MHz	Proposal
7. Power Handling	10 W Max	OK
8. In/Out Impedance	50 Ohm	OK
9. Operation Temperature	-40 ~ +85 °C	OK
10. Dimension [WxDxH]	120.0 x 60.0 x 20.0 mm	Proposal
11. Flange type	WR112 (BJ84)	Proposal

Remarks: This is a preliminary datasheet for reference.

■ Simulation Curve

