

PRODUCT SPECIFICATION FOR INFORMATION

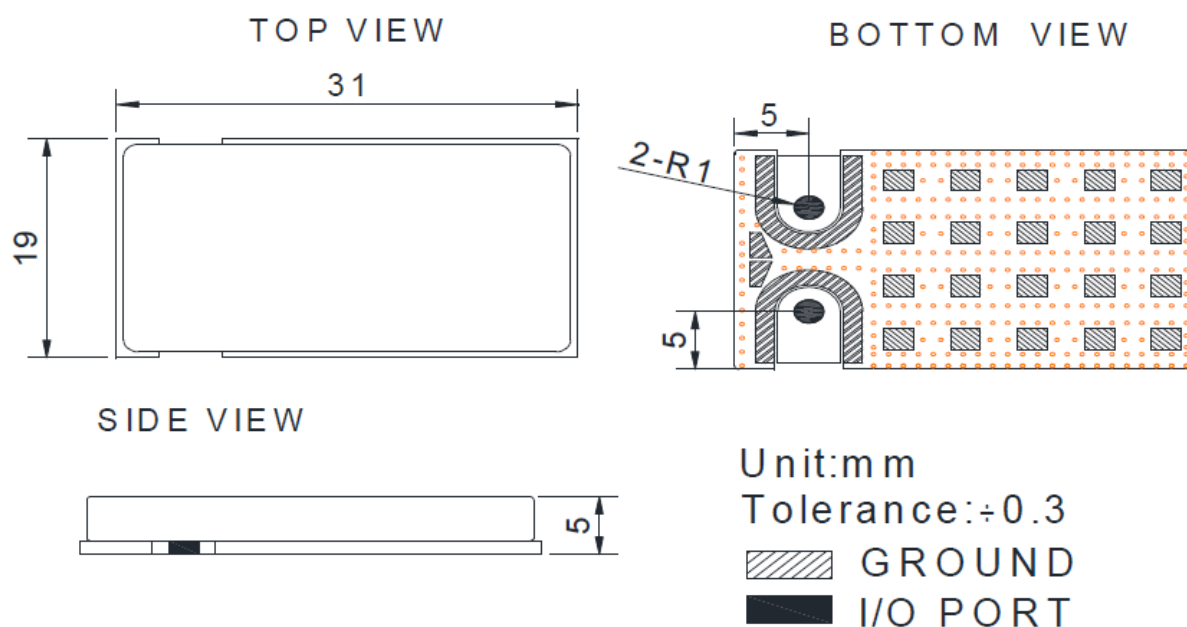
PRELIMINARY SPECIFICATION

Product Name : Waveguide Band Pass Filter

Part No : MBP-C7500_500MM-A-R0

	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2025.02.03	Jeffrey Chung	Michael Jeon

■ Mechanical Drawing



■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	7500MHz	OK
2. Passband	$F_c \pm 250 \text{ MHz}$ [7250~7750 MHz]	OK
3. Bandwidth	500MHz	OK
4. Insertion Loss in Passband	1.5dB Typ. [1.8dB Max.]	Proposal
5. VSWR	2.0:1 Max..	OK
6. Rejections	85dB Min.@ 7900~8400MHz	Proposal
7. Power Handling	5 W Max	Proposal
8. In/Out Impedance	50 Ohm	OK
9. Operation Temperature	-40 ~ +85℃	OK
10. Dimension [WxDxH]	31.0 x 19.0 x 5.0 mm	Proposal

Remarks: This is a preliminary datasheet for reference.

■ Simulation Curve

