

PRODUCT SPECIFICATION FOR INFORMATION

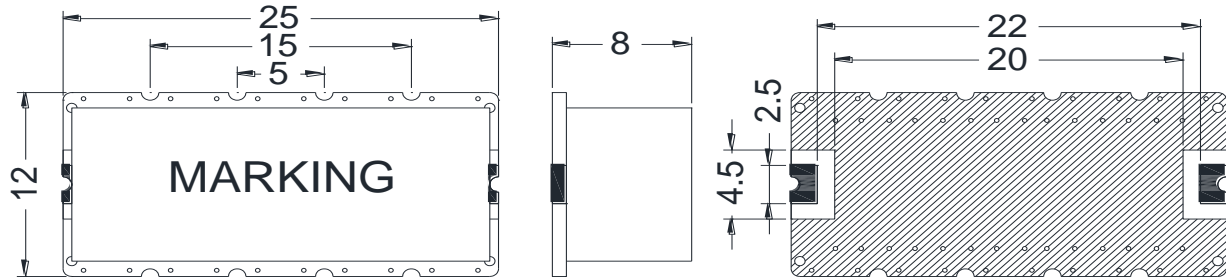
PRELIMINARY SPECIFICATION


Product Name : Band Pass Filter

Part No : MBP-C450-140ML-A-R0

| | Rev. No. | Description | Date | Author | Final Approver |
|---|----------|-------------|------------|---------------|----------------|
| 1 | R0 | Draft | 2023.05.03 | Jeffrey Chung | Michael Jeon |
| | | | | | |
| | | | | | |
| | | | | | |

■ Mechanical Drawing



 I/O Port Unit: mm
 GND Tolerance: ±0.3

■ Electrical Specification

| Parameter | Specification | Remark |
|--------------------------|-------------------------------------|--------|
| 1. Center Frequency | 450MHz | |
| 2. Bandwidth [BW] | $F_c \pm 70\text{MHz}$ [380~520MHz] | |
| 3. Insertion Loss in BW | 1.5dB Max. | |
| 4. Return Loss | 15dB Min. | |
| 5. Rejections | 50dB Min @ 250MHz | |
| | 50dB Min @ 650MHz | |
| 6. In/Out Impedance | 50Ohm | |
| 7. Operating Temperature | -40°C ~ +70°C | |
| 8. Power Handling | 25W Max. (continuous) | |
| 9. Size (W x D x H) | 25.0x12.0x8.0 mm | |
| 10. Interface | SMD Type | |

Remarks: This is a preliminary datasheet for reference.

■ Simulation Curve1

