

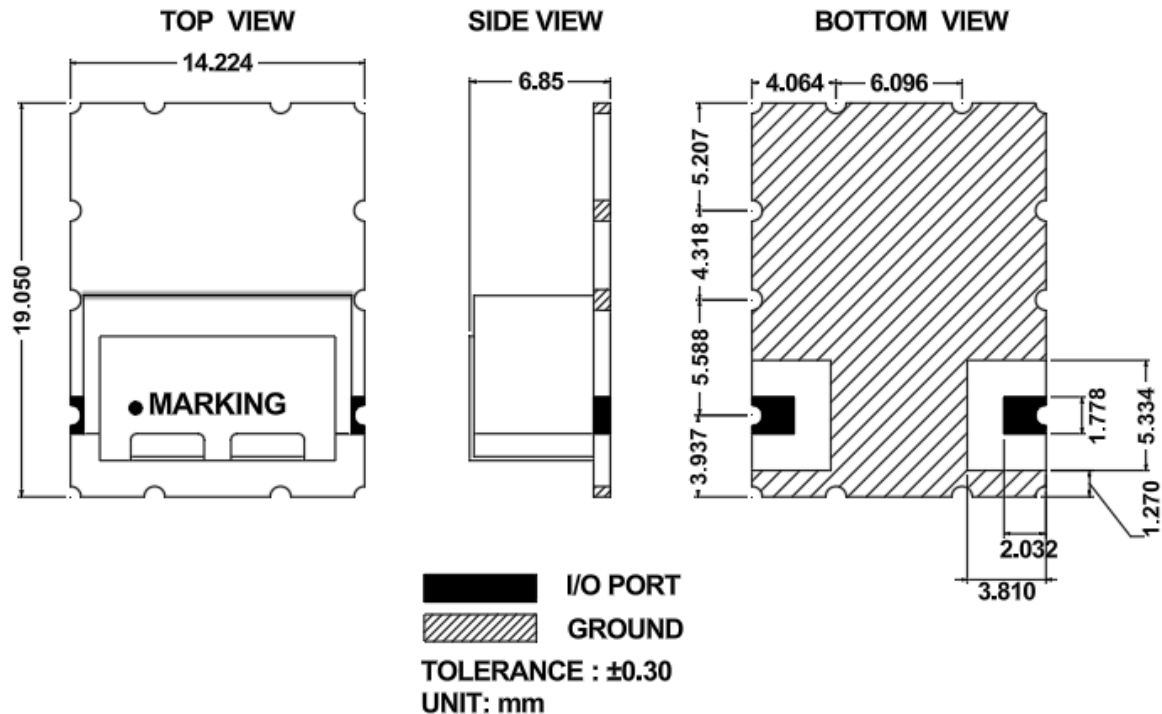
## **PRODUCT SPECIFICATION FOR INFORMATION**

**Product Name : Ceramic Band Pass Filter**

**Part No : MBP-C1030\_3MC-A-R1**

|   | Rev. No. | Description        | Date        | Author        | Final Approver |
|---|----------|--------------------|-------------|---------------|----------------|
| 1 | R0       | Draft              | 2025.10.20. | Jeffrey Chung | Michael Jeon   |
|   | R1       | 10dB min @ 1052MHz | 2025.10.28. | Jeffrey Chung | Michael Jeon   |
|   |          |                    |             |               |                |
|   |          |                    |             |               |                |

## ■ Mechanical Drawing



## ■ Electrical Specification

| Parameter                        | Specification                                 | Remark |
|----------------------------------|-----------------------------------------------|--------|
| 1. Center Frequency              | 1030MHz                                       |        |
| 2. 1dB Bandwidth[BW]             | $F_c \pm 1.5\text{MHz}$ [ 1028.5 ~ 1031.5MHz] |        |
| 3. Insertion Loss in BW          | 1.9dB Max.                                    |        |
| 4. Ripple in BW                  | 1.0dB Max.                                    |        |
| 5. Return Loss                   | 15dB min                                      |        |
| 6. Rejections [ Absolute Value ] | 10dB Min @ DC ~ 1008MHz<br>10dB Min @ 1052MHz |        |
| 7. Impedance                     | 50Ohm                                         |        |
| 8. Operating Temperature         | -45°C ~ +85°C                                 |        |
| 9. Power Handling                | 30dBm Max.                                    |        |
| 10. Size (W × D × H)             | 19.05 x 14.224 x 6.85mm $\pm 0.3\text{mm}$    |        |

Remarks: The recommended soldering temperature does not exceed 220°C

## ■ Simulation Curve

