

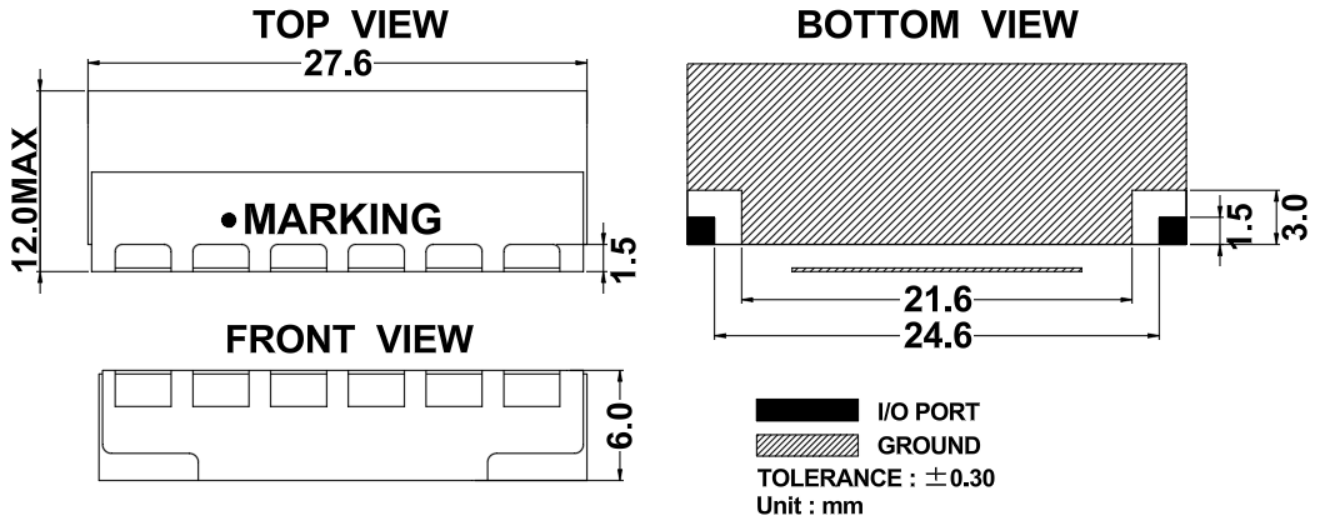
## **PRODUCT SPECIFICATION FOR INFORMATION**

**Product Name : Ceramic Band Pass Filter**

**Part No : MBP-C1842.5\_75MM-A-R0**

|   | Rev. No. | Description | Date          | Author        | Final Approver |
|---|----------|-------------|---------------|---------------|----------------|
| 1 | R0       | Draft       | 2025. 10. 01. | Jeffrey Chung | Michael Jeon   |
|   |          |             |               |               |                |
|   |          |             |               |               |                |
|   |          |             |               |               |                |

## ■ Mechanical Drawing



## ■ Electrical Specification

| Parameter                        | Specification                              | Remark |
|----------------------------------|--------------------------------------------|--------|
| 1. Center Frequency              | 1842.5MHz                                  |        |
| 2. Bandwidth [BW]                | $F_c \pm 37.5\text{MHz}$ [ 1805 ~ 1880MHz] |        |
| 3. Insertion Loss in BW          | 5.0dB Max.                                 |        |
| 4. Ripple in BW                  | 3.5dB Max.                                 |        |
| 5. Return Loss                   | 13dB min                                   |        |
| 6. Rejections [ Absolute Value ] | 50dB Min @ DC ~ 1785MHz                    |        |
|                                  | 50dB Min @ 1920 ~ 2000MHz                  |        |
| 7. Impedance                     | 50Ohm                                      |        |
| 8. Operating Temperature         | -40°C ~ +70°C                              |        |
| 9. Power Handling                | 30dBm Max.                                 |        |
| 10. Size (W × D × H)             | 27.6 x 12.0 x 6.0mm ±0.3mm                 |        |

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

## ■ Simulation Curve

