

## PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

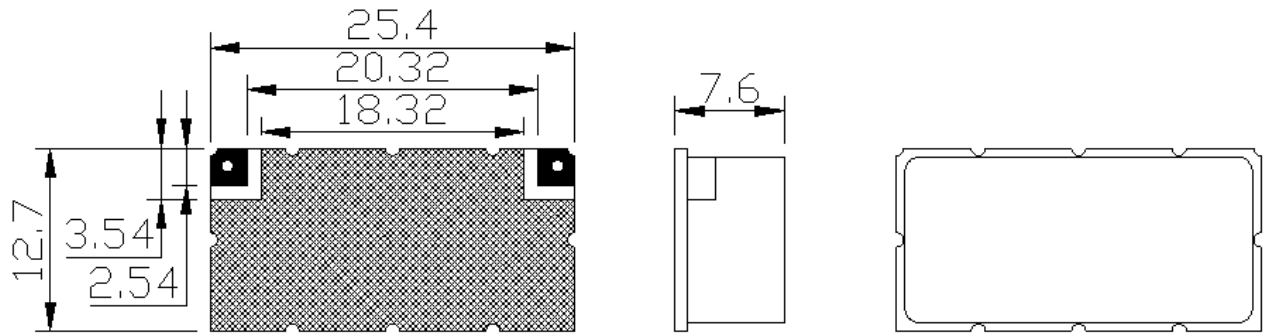
**Product Name : LC Band Pass Filter**

**Part No : MBP-C255\_20ML-A-R0**

### ■ History List

| No. | Rev. No. | Description | Date        | Author        | Final Approver |
|-----|----------|-------------|-------------|---------------|----------------|
| 1   | R0       | Draft       | 2024.02.05. | Jeffrey Jeong | Michael Jeon   |
| 2   |          |             |             |               |                |
| 3   |          |             |             |               |                |
| 4   |          |             |             |               |                |
| 5   |          |             |             |               |                |
| 6   |          |             |             |               |                |

## ■ Mechanical Drawing



## ■ Electrical Specification

| Parameter                          | Specification                                                                                                                     | Remark |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--------|
| 1. Center Frequency                | 255MHz                                                                                                                            |        |
| 2. Bandwidth                       | 20MHz [ 245 ~ 265MHz ]                                                                                                            |        |
| 3. Insertion Loss @ Fo             | 3.5dB Max.                                                                                                                        |        |
| 4. Ripple in $Fo \pm 10\text{MHz}$ | 1.7dB Max                                                                                                                         |        |
| 5. Return Loss                     | 12dB min @ 245 ~ 265MHz                                                                                                           |        |
| 6. Attenuation[Relative Value]     | 55dBc Min. @ 200MHz<br>30dBc Min. @ 225MHz<br>5dBc Min. @ 240MHz<br>5dBc Min @ 270MHz<br>25dBc Min @ 285MHz<br>35dBc Min @ 310MHz |        |
| 7. Connectors                      | Φ0.4mm pin                                                                                                                        |        |
| 8. In/Out Impedance                | 50Ω                                                                                                                               |        |
| 9. Power Rating                    | 30dBm(CW)<br>(33dBm with 1% duty cycle, 1us pulse width)                                                                          |        |
| 10. Temperature Range              | -40°C ~ +70°C                                                                                                                     |        |

※It is subjected to change with prior notice.