

## PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

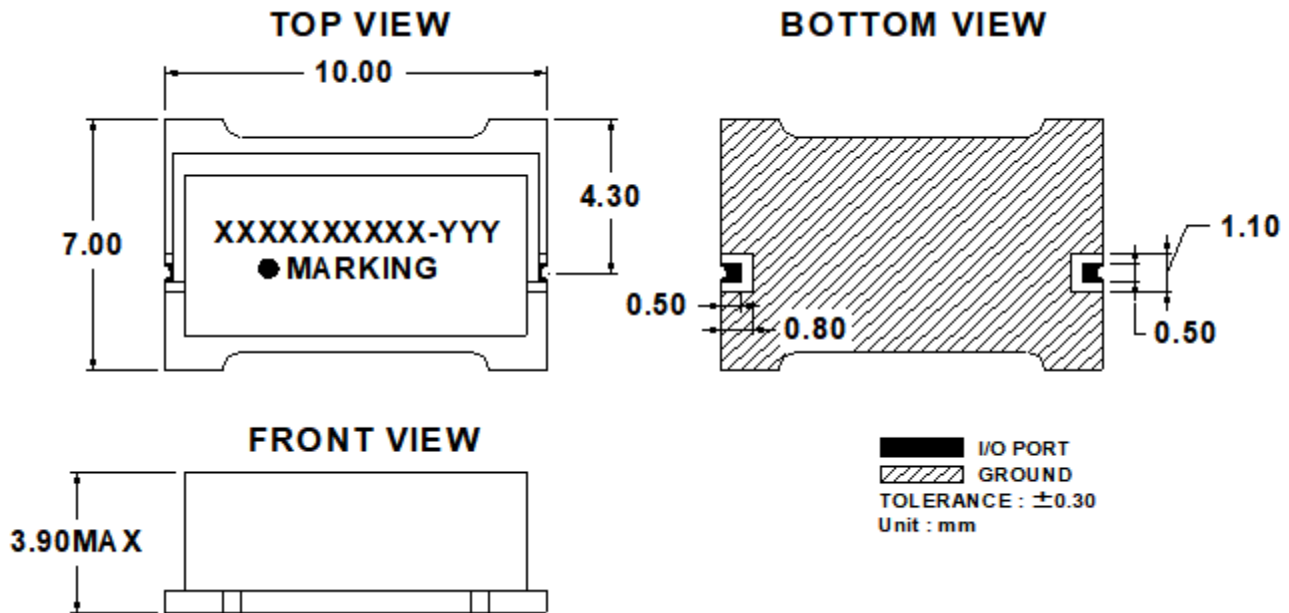
**Product Name : Ceramic Band Pass Filter**

**Part No : MBP-C5250\_1580MM-A-R0**

### ■ History List

| No. | Rev. No. | Description | Date       | Author        | Final Approver |
|-----|----------|-------------|------------|---------------|----------------|
| 1   | R0       | Draft       | 2024.08.12 | Jeffrey Jeong | Michael Jeon   |
| 2   |          |             |            |               |                |
| 3   |          |             |            |               |                |
| 4   |          |             |            |               |                |
| 5   |          |             |            |               |                |
| 6   |          |             |            |               |                |

## ■ Mechanical Drawing



## ■ Electrical Specification

| Parameter                      | Specification                                                                                                                                     | Remark |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 1. Center Frequency            | 5250MHz                                                                                                                                           |        |
| 2. Bandwidth                   | 1580MHz [4460 ~ 6040MHz]                                                                                                                          |        |
| 3. Insertion Loss in BW        | 1.5dB Max. @ +25°C                                                                                                                                |        |
| 4. Ripple in BW                | 1.0dB Max. @ +25°C                                                                                                                                |        |
| 5. V.S.W.R. in BW              | 1.35 : 1 Max. @ +25°C                                                                                                                             |        |
| 8. Attenuation[Relative Value] | 40dBc min @ 20 ~ 3030MHz @ +25°C<br>25dBc min @ 7500 ~ 8000MHz @ +25°C<br>28dBc min @ 8000 ~ 8900MHz @ +25°C<br>TBD min @ 8910 ~ 12500MHz @ +25°C |        |
| 10. Power Handling             | 30dBm Max.                                                                                                                                        |        |
| 12. In/Out Impedance           | 50Ω                                                                                                                                               |        |
| 13. Temperature Range          | -40°C ~ +85°C                                                                                                                                     |        |
| 14. Dimension[WxDxH]           | 10.0 X 7.0 X 3.9mm Max                                                                                                                            |        |

※It is subjected to change with prior notice.

## ■ Simulation Curve

