

## **PRODUCT SPECIFICATION FOR INFORMATION**

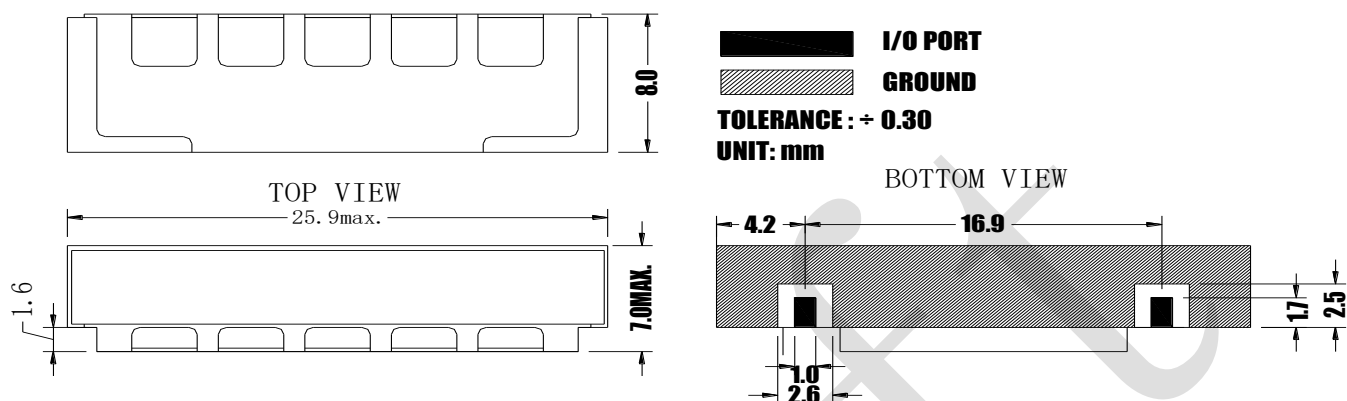
**Product Name : Ceramic Band Pass Filter**

**Part No : MBP-C3940\_80MM-A-R0**

### ■ History List

| No. | Rev. No. | Description | Date        | Author        | Final Approver |
|-----|----------|-------------|-------------|---------------|----------------|
| 1   | R0       | Draft       | 2025.06.01. | Jeffrey Jeong | Michael Jeon   |
| 2   |          |             |             |               |                |
| 3   |          |             |             |               |                |
| 4   |          |             |             |               |                |
| 5   |          |             |             |               |                |
| 6   |          |             |             |               |                |

## ■ Mechanical Drawing

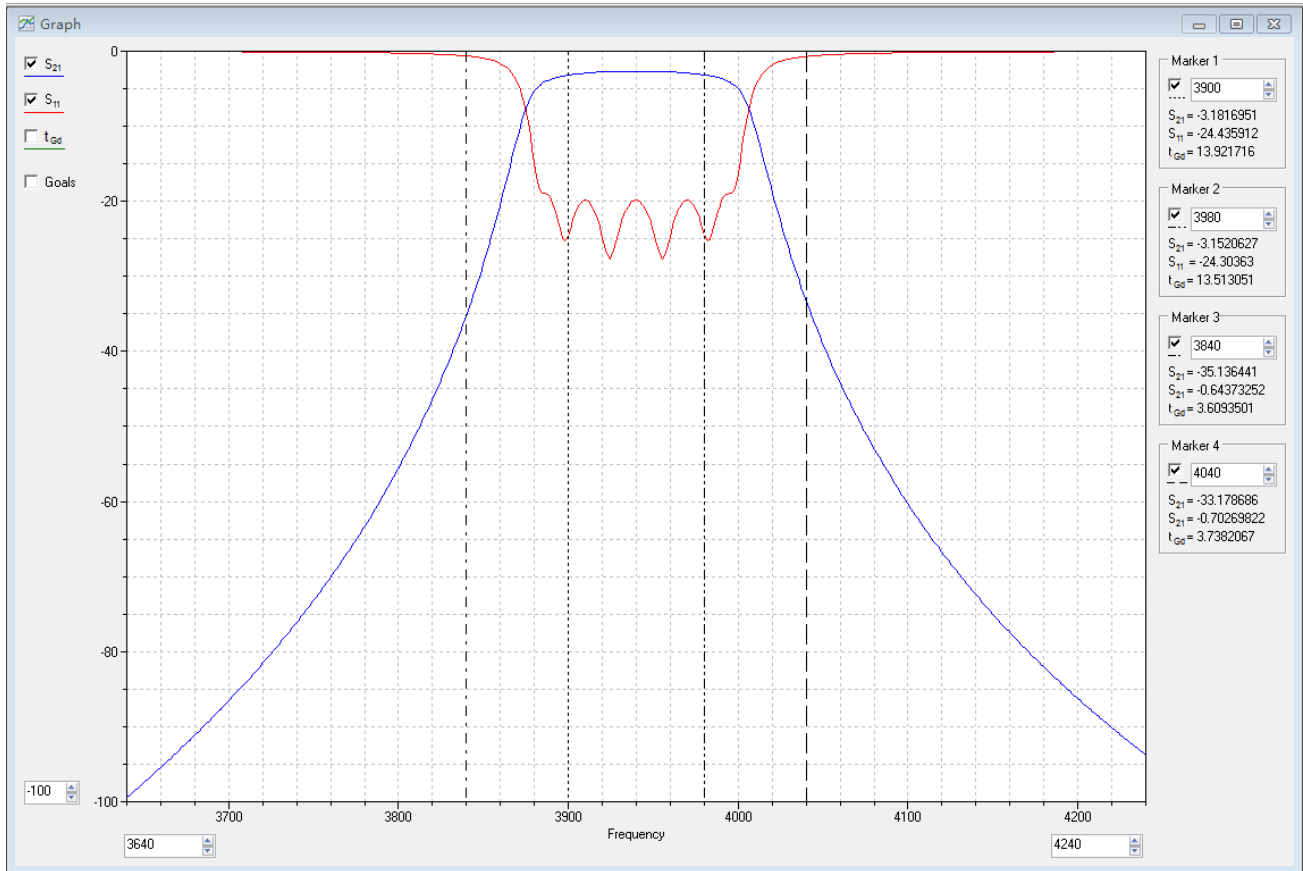


## ■ Electrical Specification

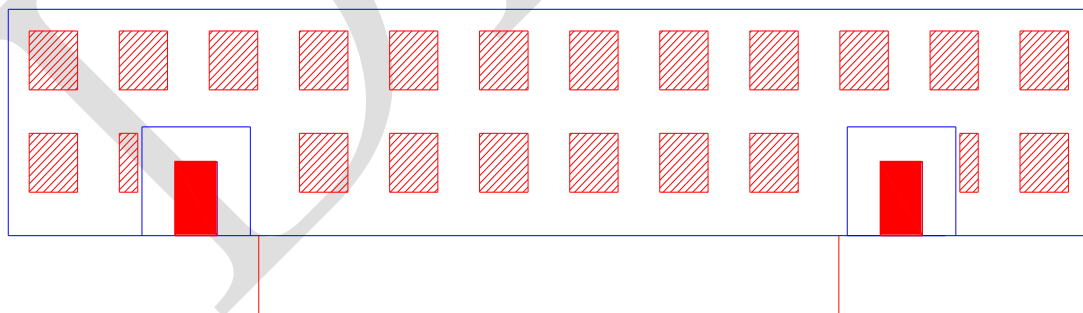
| Parameter                      | Specification                            | Remark |
|--------------------------------|------------------------------------------|--------|
| 1. Center Frequency            | 3940MHz                                  |        |
| 2. Bandwidth                   | 80MHz [3900 ~ 3980MHz]                   |        |
| 3. Insertion Loss in BW        | 3.7dB Max.                               |        |
| 4. Ripple in BW                | 1.0dB Max.                               |        |
| 5. Return Loss in BW(S11, S22) | 14dB Min.                                |        |
| 6. Attenuation[Absolute Value] | 30dB min @ 3840MHz<br>30dB min @ 4040MHz |        |
| 7. Power Handling              | 30dBm Max                                |        |
| 8. In/Out Impedance            | 50Ω                                      |        |
| 9. Operating Temp Range        | -40°C ~ +70°C                            |        |
| 10. Dimension[WxDxH]           | 25.9 X 7.0 X 8.0mm $\pm 0.3$ Max         |        |

※It is subjected to change with prior notice.

## ■ Simulation Curve



## ■ Recommended PCB land pattern



 **GROUND SOLDERING POINT**

 **I/O PORT SOLDERING POINT**

Recommend using silver containing solder paste.