

## PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

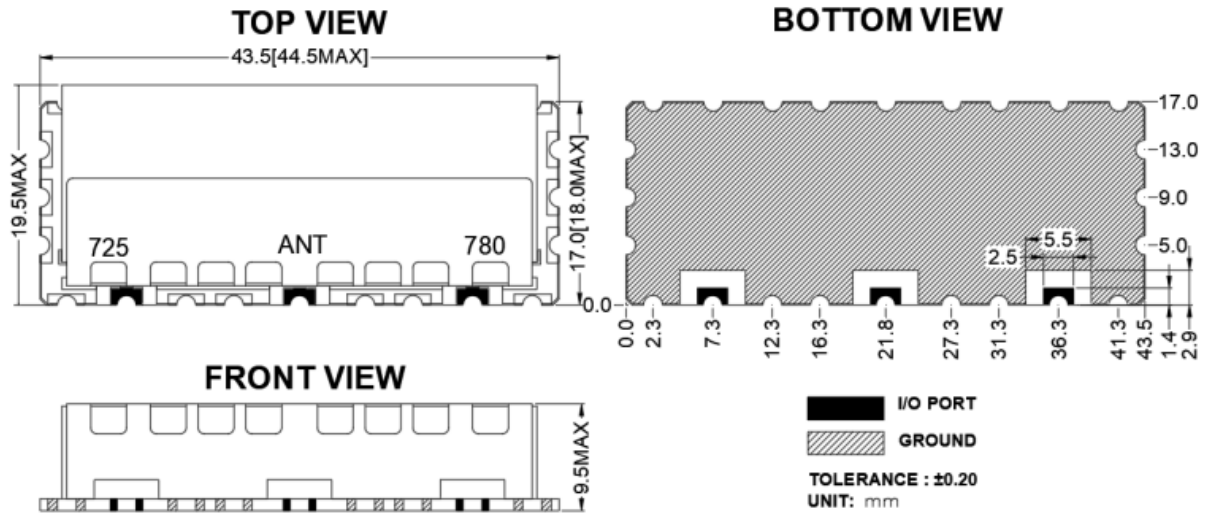
**Product Name : Ceramic Duplexer**

**Part No : MDP-C725.5-C780.5\_45MM-A-R0**

### ■ History List

| No. | Rev. No. | Description | Date        | Author        | Final Approver |
|-----|----------|-------------|-------------|---------------|----------------|
| 1   | R0       | Draft       | 2024.10.31. | Jeffrey Jeong | Michael Jeon   |
| 2   |          |             |             |               |                |
| 3   |          |             |             |               |                |
| 4   |          |             |             |               |                |
| 5   |          |             |             |               |                |
| 6   |          |             |             |               |                |

## ■ Mechanical Drawing



## ■ Electrical Specification

| Parameter                      | Specification                |                       | Remark |
|--------------------------------|------------------------------|-----------------------|--------|
|                                | Low                          | High                  |        |
| 1. Center Frequency            | 725.5MHz                     | 780.5MHz              |        |
| 2. Bandwidth                   | 45MHz [703 ~ 748MHz]         | 45MHz [758 ~ 803MHz]  |        |
| 3. Insertion Loss in BW        | 1.5dB Max.                   | 1.5dB Max.            |        |
| 4. Ripple in BW                | 0.8dB Max.                   | 0.8dB Max.            |        |
| 5. V.S.W.R. in BW              | 1.5 : 1 Max                  | 1.5 : 1 Max           |        |
| 6. Attenuation[Absolute Value] | 40dB min @ 758~803MHz        | 40dB min @ 703~748MHz |        |
| 7. Power Handling              | 30dBm Max.                   |                       |        |
| 8. In/Out Impedance            | 50Ω                          |                       |        |
| 9. Operating Temp Range        | -40°C ~ +70°C                |                       |        |
| 10. Storage Temp Range         | -55°C ~ +85°C                |                       |        |
| 11. Dimension[WxDxH]           | 43.5 X 19.5 X 9.5mm ±0.2 Max |                       |        |

※It is subjected to change with prior notice.

## ■ Recommended PCB Land Pattern

