

## **PRODUCT SPECIFICATION FOR INFORMATION**

PRELIMINARY SPECIFICATION

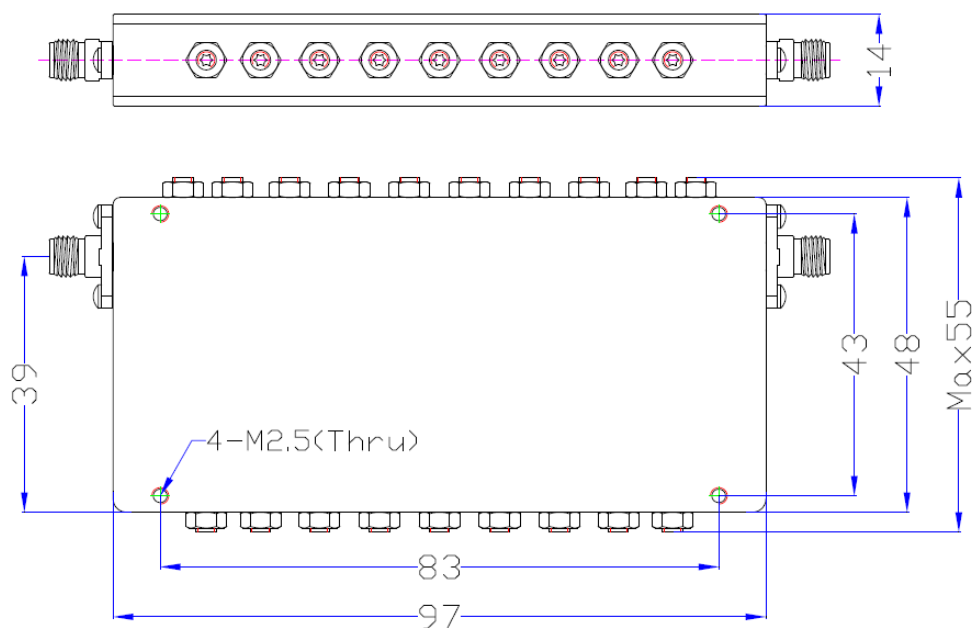
**Product Name: Interdigital Band Pass Filter**

**Part No: MBP-C1750\_1.5GS-A-R0**

### ■ History List

| No. | Rev. No. | Description | Date       | Author     | Final Approver |
|-----|----------|-------------|------------|------------|----------------|
| 1   | R0       | Draft       | 2022.03.16 | Bryan Jeon | Michael Jeon   |
|     |          |             |            |            |                |
|     |          |             |            |            |                |
|     |          |             |            |            |                |

## ■ Mechanical Drawing



**Note**  
1. Connector: SMA(F)  
2. Finish: Black Epoxy

## ■ Electrical Specification

| Parameter               | Specification                          | Remark |
|-------------------------|----------------------------------------|--------|
| 1. Center Frequency     | 1750MHz                                |        |
| 2. Bandwidth            | $F_c \pm 750\text{MHz}$ [1000~2500MHz] |        |
| 3. Insertion Loss in BW | 1.5dB Max.                             |        |
| 4. Ripple in BW         | 1.2dB Max.                             |        |
| 5. Return Loss in BW    | 14dB Min.                              |        |
| 6. Attenuation          | 22dB Min.@ DC~900MHz                   |        |
|                         | 3.0dB Min.@ 900~950MHz                 |        |
|                         | 30dB Min.@ 2650~2750MHz                |        |
|                         | 55dB Min.@ 2750~3200MHz                |        |
| 7. In/Out Impedance     | 50 $\Omega$                            |        |
| 8. Power Handling       | 2W                                     |        |
| 9. Connector            | SMA(f)                                 |        |
| 10.Dimension            | 97.0x48.0x14.0 mm                      |        |
| 11. Temperature Range   | -30°C to +70°C                         |        |

Remarks: This is a preliminary datasheet for reference.