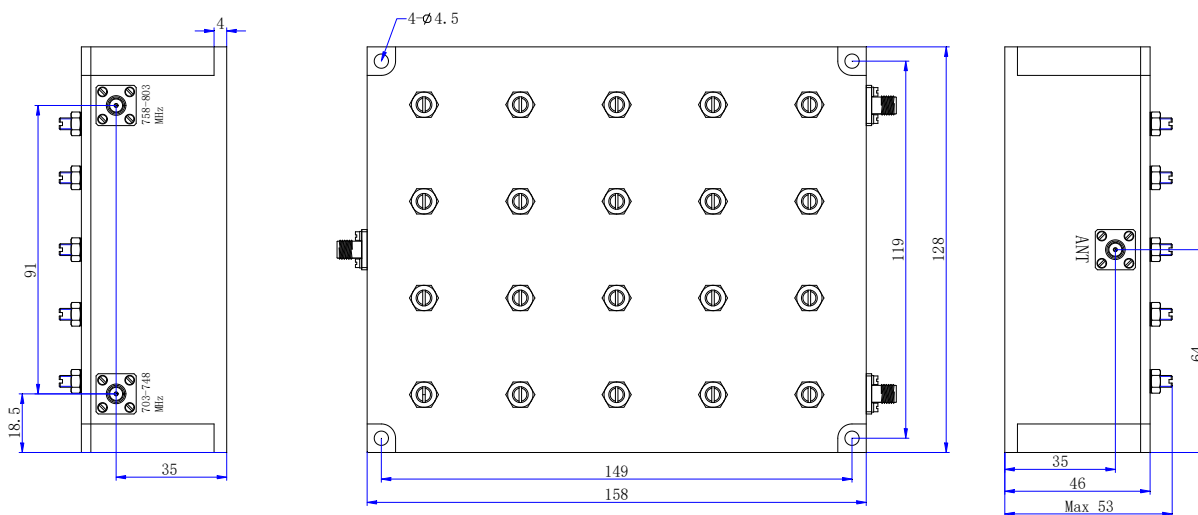


# FSMX2-703-803-S

## Diplexer Specifications

| Electrical Specifications     |                         |                                                          |                                                          |
|-------------------------------|-------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 1                             | Frequency Range         | RX                                                       | TX                                                       |
|                               |                         | 703~748MHz                                               | 758~803MHz                                               |
| 2                             | Insertion Loss          | ≤1.5dB                                                   | ≤1.5dB                                                   |
| 3                             | VSWR                    | ≤1.40:1                                                  | ≤1.40:1                                                  |
| 4                             | Rejection               | ≥60dB@DC~640MHz<br>≥85dB@758~803MHz<br>≥85dB@803~2700MHz | ≥85dB@DC~680MHz<br>≥85dB@680~748MHz<br>≥85dB@880~2700MHz |
| 5                             | Isolation               | ≥85dB@703~748MHz & 758~803MHz                            |                                                          |
| 6                             | Power                   | 50W                                                      |                                                          |
| Environmental Characteristics |                         |                                                          |                                                          |
| 1                             | Operating Temperature   | -20°C~+65°C                                              |                                                          |
| 2                             | Operating Environment   | Indoor                                                   |                                                          |
| Mechanical Characteristics    |                         |                                                          |                                                          |
| 1                             | Connectors              | SMA-Female                                               |                                                          |
| 2                             | Surface Finishing       | Black Paint                                              |                                                          |
| 3                             | Dimensions <sup>1</sup> | 158*128*46mm [6.22*5.04*1.81in]                          |                                                          |

### Outline Drawing



Units: mm/[inch], Tolerance: ±0.5mm, Mounting Hole Tolerance: ±0.2mm

Note 1: Excluding Connectors

