

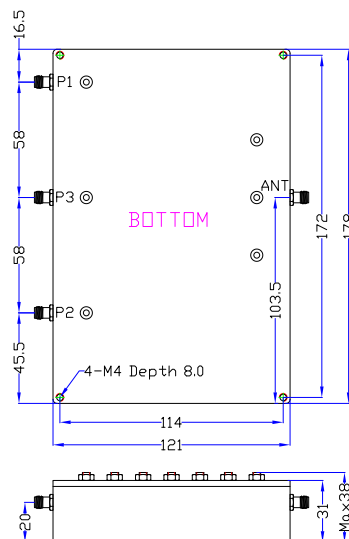
# WT-B0548-03

## Cavity Triplexer

### Technical Data Sheet

| S/N | Item                     | Parameters   |  |                      |
|-----|--------------------------|--|--|----------------------|
|     |                          | P1   | P2   | P3                   |
| 1   | Center Frequency(F0)     | 1747.5MHz  | 1842.5MHz  | 1950MHz              |
| 2   | Pass Band Frequency      | 1710 ~ 1785MHz **  | 1805 ~ 1880MHz **  | 1920 ~ 1980MHz **    |
| 3   | Pass Band Insertion Loss | ≤1.0dB   | ≤1.3dB   | ≤1.0dB               |
| 4   | Pass Band Ripple         | ≤0.6dB   | ≤0.8dB   | ≤0.6dB               |
| 5   | Pass Band Return Loss    | ≥15dB  | ≥15dB  | ≥15dB                |
| 6   | Stop Band Rejection      | ≥60dB @ 1805 ~ 1980MHz   | ≥60dB @ DC ~ 1785MHz<br>≥60dB @ 1920 ~ 1980MHz   | ≥60dB @ DC ~ 1880MHz |
| 7   | Isolation                | ≥60dB @ 1710 ~ 1785MHz , 1805 ~ 1880MHz , 1920 ~ 1980MHz                                     |  |                      |
| 8   | Impedance                | 50 Ohms  |  |                      |
| 9   | Power                    | 30W Max.   |  |                      |
| 10  | Connectors               | SMA-Female   |  |                      |
| 11  | Surface Finish           | Painted Black  |  |                      |
| 12  | Port Sign                | Port 1: ANT ; Port 2: P1 ; Port 3: P2 ; Port 4: P3   |  |                      |
| 13  | Temperature Range        | 0°C ~ +50°C  |  |                      |
| 14  | Material                 | Housing: 6061 Aluminum alloy<br>Cover: LY12 Aluminum alloy<br>Tuning screw: H62 Copper alloy | Resonant column: H59 Copper alloy<br>Connectors: Stainless Steel<br>Other screw: Stainless Steel |                      |
| 15  | Dimensions               | 178*121*31mm   |  |                      |
| 16  | Net weight               | 0.89 KG  |  |                      |

Outline Drawing: (Dimensions Unit: mm, Dimensions Tolerance: ±0.5mm)



\*\* The actual design bandwidth will be greater than the Pass Band Frequency, and there is no bandwidth limit.