

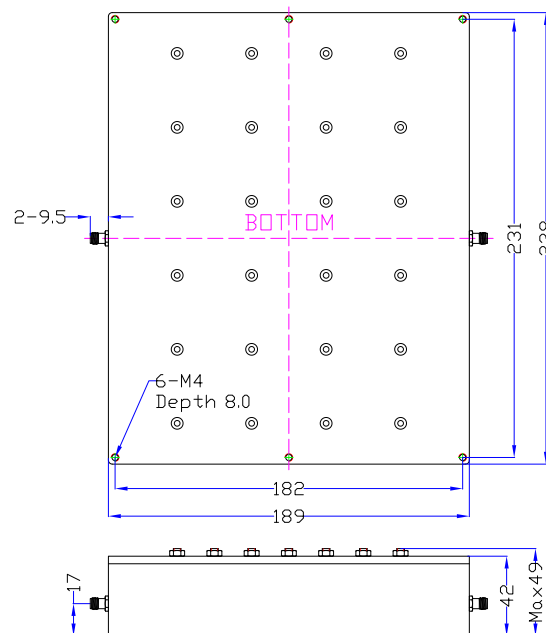
# WT-A10141-03

## Cavity Tri-Band Pass Filter

### Technical Data Sheet

| S/N | Item                     | Parameters   |  |                 |
|-----|--------------------------|--|--|-----------------|
|     |                          | CH1  | CH2  | CH3             |
| 1   | Center Frequency(F0)     | 772MHz   | 807.5MHz   | 858.5MHz        |
| 2   | Pass Band Frequency      | 769 ~ 775MHz **  | 799 ~ 816MHz **  | 851 ~ 866MHz ** |
| 3   | Pass Band Insertion Loss | ≤1.5dB   | ≤1.5dB   | ≤1.3dB          |
| 4   | Pass Band Ripple         | ≤0.5dB   | ≤0.8dB   | ≤0.5dB          |
| 5   | Pass Band Return Loss    | ≥18dB  | ≥18dB  | ≥18dB           |
| 6   | Stop Band Rejection      | ≥20dB @ DC ~ 765MHz , 780 ~ 795MHz , 821 ~ 840MHz , 877 ~ 3000MHz                            |  |                 |
| 7   | Impedance                | 50 Ohms  |  |                 |
| 8   | Power                    | 30W Max.   |  |                 |
| 9   | Connectors               | SMA-Female   |  |                 |
| 10  | Surface Finish           | Painted Black  |  |                 |
| 11  | Temperature Range        | +20°C ~ +30°C  |  |                 |
| 12  | 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 |                 |
| 13  | Dimensions               | 238*189*42mm   |  |                 |
| 14  | Net weight               | 2.367 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.