

# WT-A5949-Q10

## Cavity Band Pass Filter

### Technical Data Sheet

| S/N | Item                     | Parameters   |
|-----|--------------------------|--|
| 1   | Center Frequency(F0)     | 9.75GHz  |
| 2   | Pass Band Frequency      | 9.0 ~ 10.5GHz  |
| 3   | Pass Band Insertion Loss | ≤0.7dB   |
| 4   | Pass Band Ripple         | ≤0.3dB   |
| 5   | Pass Band VSWR           | ≤1.22:1  |
| 6   | Stop Band Attenuation    | ≥45dB @ DC ~ 8.5GHz      ≥50dB @ 11 ~ 25GHz  |
| 7   | Impedance                | 50 Ohms  |
| 8   | Power Handling           | 5W Max.  |
| 9   | Connectors               | SMA-Female   |
| 10  | Surface Finish           | Painted Black  |
| 11  | Temperature Range        | -30°C ~ +70°C  |
| 12  | Material                 | Housing: H62 Copper alloy      Connectors: H59 Copper, Plated ternary alloy<br>Cover: H62 Copper alloy      Other screw: Stainless Steel<br>Tuning screw: H62 Copper alloy |
| 13  | Dimensions               | 80*16*9mm  |
| 14  | Net weight               | 0.077 KG   |

Outline Drawing: (Dimensions Unit: mm, Dimensions Tolerance: ±0.3mm)

