

WT-A8991-S20

Comb Band Pass Filter

Technical Data Sheet

| S/N | Item | Parameters | |
|-----|--------------------------|--|---|
| 1 | Center Frequency(F0) | 7.5GHz | |
| 2 | Pass Band Frequency | 5.0 ~ 10GHz | |
| 3 | Pass Band Insertion Loss | $\leq 0.4\text{dB @ } 7.5\text{GHz}$ $\leq 0.8\text{dB @ } 5.0 \sim 10\text{GHz}$ | |
| 4 | Pass Band Ripple | $\leq 0.6\text{dB}$ | |
| 5 | Pass Band Return Loss | $\geq 20\text{dB}$ | |
| 6 | Stop Band Rejection | $\geq 80\text{dB @ DC} \sim 3.4\text{GHz}$ $\geq 55\text{dB @ } 3.4 \sim 4.0\text{GHz}$ | $\geq 65\text{dB @ } 10.35 \sim 10.5\text{GHz}$ $\geq 80\text{dB @ } 10.5 \sim 15\text{GHz}$ |
| 7 | Impedance | 50 Ohms | |
| 8 | Power Handling | 5.0W Max. | |
| 9 | Connectors | SMA-Female | |
| 10 | Surface Finish | Painted Black | |
| 11 | Temperature Range | $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ | |
| 12 | Material | Housing: H62 Copper alloy Cover: H62 Copper alloy Tuning screw: H62 Copper alloy | Connectors: Stainless Steel Other screw: Stainless Steel |
| 13 | Dimensions | 120*27*12.5mm | |
| 14 | Net weight | 0.207 KG | |

Outline Drawing: (Dimensions Unit: mm, Dimensions Tolerance: $\pm 0.3\text{mm}$)

