

WT-A5373-Q12

Cavity Band Pass Filter

Technical Data Sheet

| S/N | Item | Parameters |
|-----|------------------------------|---|
| 1 | Center Frequency(F0) | 48.7GHz |
| 2 | 0.6dB Bandwidth | 1100MHz (48.15 ~ 49.25GHz) |
| 3 | Pass Band Insertion Loss | $\leq 2.5\text{dB @ } 48.7\text{GHz}$ $\leq 3.0\text{dB @ } 48.15 \sim 49.25\text{GHz}$ |
| 4 | Pass Band Flatness | $\leq 0.6\text{dB @ peak-peak in the range of } 48.15 \sim 49.25\text{GHz}$ |
| 5 | Pass Band VSWR | $\leq 1.35:1$ (Input / Output) |
| 6 | Pass Band Group Delay | $\leq 2.6\text{ns @ peak-peak in the range of } 48.15 \sim 49.25\text{GHz}$ |
| 7 | Pass Band Group Delay Ripple | $\leq 0.65\text{ns @ peak-peak in the range of } 48.15 \sim 49.25\text{GHz}$ |
| 8 | Stop Band Rejection | $\geq 80\text{dB @ } 0.1 \sim 47.2\text{GHz}$ $\geq 50\text{dB @ } 50 \sim 70\text{GHz}$ |
| 9 | Impedance | 50 Ohms |
| 10 | Power Handling | 5W Max. |
| 11 | Connectors | Input: 1.85mm-Male / Output: 1.85mm-Male |
| 12 | Surface Finish | Painted Black |
| 13 | Temperature Range | $-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$ |
| 14 | Material | Housing: H62 Copper alloy Connectors: Stainless Steel Cover: H62 Copper alloy Other screw: Stainless Steel Tuning screw: H62 Copper alloy |
| 15 | Dimensions | 50*14*7.5mm |
| 16 | Net weight | 0.045 KG |

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

