

WT-A6791-Q17

Cavity Band Pass Filter

Technical Data Sheet

| S/N | Item | Parameters |
|-----|--------------------------|--|
| 1 | Center Frequency(F0) | 18.75GHz |
| 2 | 0.5dB Bandwidth | 2000MHz (17.75 ~ 19.75GHz) |
| 3 | Pass Band Insertion Loss | ≤1.4dB |
| 4 | Pass Band Flatness | ≤0.5dB @ peak-peak in the range of 17.75 ~ 19.75GHz |
| 5 | Pass Band VSWR | ≤1.22:1 (Input / Output) |
| 6 | Pass Band Group Delay | ≤4.0ns @ peak-peak in the range of 17.75 ~ 19.75GHz |
| 7 | Group Delay Variation | ≤0.5ns @ peak-peak within any 50MHz segment , in the range of 17.75 ~ 19.75GHz ≤1.6ns @ peak-peak within any 500MHz segment , in the range of 17.75 ~ 19.75GHz ≤1.8ns @ peak-peak in the range of 17.75 ~ 19.75GHz |
| 8 | Stop Band Rejection | ≥80dB @ 0.1 ~ 17.15GHz ≥75dB @ 17.15 ~ 17.25GHz ≥75dB @ 20.25 ~ 20.35GHz ≥80dB @ 20.35 ~ 34.5GHz |
| 9 | Impedance | 50 Ohms |
| 10 | Power Handling | 5W Max. |
| 11 | Connectors | Input: SMA-Male / Output: SMA-Male |
| 12 | Surface Finish | Painted Black |
| 13 | Temperature Range | -40°C ~ +80°C |
| 14 | Material | Housing: H62 Copper alloy Cover: H62 Copper alloy Tuning screw: H62 Copper alloy Connectors: Stainless Steel Other screw: Stainless Steel |
| 15 | Dimensions | 100*16*9.5mm |
| 16 | Net weight | 0.105 KG |

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

