

WT-A5945-Q12

Cavity Band Pass Filter

Technical Data Sheet

| S/N | Item | Parameters |
|-----|--------------------------|---|
| 1 | Center Frequency(F0) | 30.5GHz |
| 2 | 0.5dB Bandwidth | 1100MHz (29.95 ~ 31.05GHz) |
| 3 | Pass Band Insertion Loss | ≤1.9dB |
| 4 | Pass Band Flatness | ≤0.35dB @ peak-peak within any 250MHz segment , in the range of 29.95 ~ 31.05GHz ≤0.5dB @ peak-peak in the range of 29.95 ~ 31.05GHz |
| 5 | Pass Band VSWR | ≤1.28:1 (Input / Output) |
| 6 | Group Delay | ≤3.2ns @ peak-peak in the range of 29.95 ~ 31.05GHz |
| 7 | Group Delay Ripple | ≤1.0ns @ peak-peak in the range of 29.95 ~ 31.05GHz |
| 8 | Stop Band Rejection | ≥85dB @ 0.1 ~ 29.05GHz ≥80dB @ 32 ~ 48GHz |
| 9 | Impedance | 50 Ohms |
| 10 | Power Handling | 5W Max. |
| 11 | Connectors | Input: 2.92mm(K)-Male / Output: 2.92mm(K)-Female |
| 12 | Surface Finish | Painted Black |
| 13 | Temperature Range | -40°C ~ +80°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 | 70*16*8mm |
| 16 | Net weight | 0.07 KG |

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

