

HXLBQ-DTA744

Cavity Band Pass Filter

Technical Data Sheet

| S/N | Item | Parameters |
|-----|----------------------|--|
| 1 | Center Frequency(F0) | 2000MHz |
| 2 | 3.0dB Bandwidth | 30MHz [Deviation: $\pm 3.0\text{MHz}$ @ Temperature Range: $+20^{\circ}\text{C} \sim +30^{\circ}\text{C}$] |
| 3 | Insertion Loss @ F0 | $\leq 1.2\text{dB}$ @ 2000MHz |
| 4 | Return Loss | $\geq 23\text{dB}$ @ 2000MHz $\pm 8.0\text{MHz}$ |
| 5 | Group Delay | $\leq 60\text{ns}$ @ 2000MHz |
| 6 | Stop Band Rejection | $\geq 40\text{dB}$ @ F0 $\pm 35\text{MHz}$ (DC ~ 1965MHz , 2035MHz ~ 6000MHz) |
| 7 | Impedance | 50 Ohms |
| 8 | Power Handling | 20W Max. |
| 9 | Connectors | SMA-Female |
| 10 | Surface Finish | Painted Black |
| 11 | Temperature Range | $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$ |
| 12 | Material | Housing: 6061 Aluminum alloy Resonant column: H59 Copper alloy Cover: LY12 Aluminum alloy Connectors: Stainless Steel Tuning screw: H62 Copper alloy Other screw: Stainless Steel |
| 13 | Dimensions | 100*68*26mm |
| 14 | Net weight | TBD |

Outline Drawing: (Dimensions Unit: mm, Dimensions Tolerance: $\pm 0.4\text{mm}$)

