

- **Model:** HXLBQ-DTA711
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 9450~9910MHz

- ★ High Stop Band Rejection
- ★ Low Pass Band Insertion Loss
- ★ Customizable Design
- ★ High Reliability

| Technical Data Sheet                                                  |                                                                                   |                              |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------|
| Item                                                                  | Parameters                                                                        |                              |
| ● Center Frequency(F0)                                                | 9680MHz                                                                           |                              |
| ● 3.0dB Bandwidth                                                     | 460MHz (9450 ~ 9910MHz)<br>[Deviation: ±30MHz @ Temperature Range: +20°C ~ +30°C] |                              |
| ● Insertion Loss @ F0                                                 | ≤1.0dB @ 9680MHz                                                                  |                              |
| ● Return Loss                                                         | ≥23dB @ 9555 ~ 9805MHz                                                            |                              |
| ● Stop Band Rejection                                                 | ≥80dB @ DC ~ 8680MHz                                                              | ≥50dB @ 10260 ~ 10680MHz     |
|                                                                       | ≥50dB @ 8680 ~ 9100MHz                                                            | ≥80dB @ 10680 ~ 25000MHz     |
| ● Impedance                                                           | 50 Ohms                                                                           |                              |
| ● Power Handling                                                      | 5.0W Max.                                                                         |                              |
| ● Connectors                                                          | SMA-Female                                                                        |                              |
| ● Surface Finish                                                      | Painted Black                                                                     |                              |
| ● Temperature Range                                                   | -30°C ~ +70°C                                                                     |                              |
| ● Material                                                            | Housing: H62 Copper alloy                                                         | Connectors: Stainless Steel  |
|                                                                       | Cover: H62 Copper alloy                                                           | Other screw: Stainless Steel |
|                                                                       | Tuning screw: H62 Copper alloy                                                    |                              |
| ● Dimensions                                                          | 60*16*9mm                                                                         |                              |
| ● Net weight                                                          | 0.06 KG                                                                           |                              |
| ●Outline Drawing: (Dimensions Unit: mm, Dimensions Tolerance: ±0.5mm) |                                                                                   |                              |

