

- **Model:** HXLBQ-DTA608
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 985~1015MHz

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

### Technical Data Sheet

| Item                       | Parameters                                                                                   |                                                                                                  |
|----------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| ● Center Frequency(F0)     | 1000MHz                                                                                      |                                                                                                  |
| ● Pass Band Frequency      | 985 ~ 1015MHz                                                                                |                                                                                                  |
| ● Pass Band Insertion Loss | ≤1.5dB                                                                                       |                                                                                                  |
| ● Pass Band Ripple         | ≤0.7dB                                                                                       |                                                                                                  |
| ● Pass Band Return Loss    | ≥23dB                                                                                        |                                                                                                  |
| ● Stop Band Rejection      | ≥40dB @ DC ~ 975MHz                                                                          | ≥40dB @ 1025 ~ 2500MHz                                                                           |
| ● Impedance                | 50 Ohms                                                                                      |                                                                                                  |
| ● Power Handling           | 25W Max.                                                                                     |                                                                                                  |
| ● Connectors               | SMA-Female                                                                                   |                                                                                                  |
| ● Surface Finish           | Painted Black                                                                                |                                                                                                  |
| ● Temperature Range        | -30°C ~ +70°C                                                                                |                                                                                                  |
| ● Material                 | Housing: 6061 Aluminum alloy<br>Cover: LY12 Aluminum alloy<br>Tuning screw: H62 Copper alloy | Resonant column: H59 Copper alloy<br>Connectors: Stainless Steel<br>Other screw: Stainless Steel |
| ● Dimensions               | 120*62*31mm                                                                                  |                                                                                                  |
| ● Net weight               | TBD                                                                                          |                                                                                                  |

● **Outline Drawing:** (Dimensions Unit: mm, Dimensions Tolerance: ±0.5mm)

