

- **Model:** HXLBQ-DTA563
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 2.2~2.3GHz

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

### Technical Data Sheet

| Item                       | Parameters                                                                                                                                                                                                        |                      |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| ● Center Frequency(F0)     | 2.25GHz                                                                                                                                                                                                           |                      |
| ● Pass Band Frequency      | 2.2 ~ 2.3GHz                                                                                                                                                                                                      |                      |
| ● Pass Band Insertion Loss | ≤0.8dB                                                                                                                                                                                                            |                      |
| ● Pass Band Ripple         | ≤0.3dB                                                                                                                                                                                                            |                      |
| ● Pass Band VSWR           | ≤1.22:1                                                                                                                                                                                                           |                      |
| ● Stop Band Attenuation    | ≥55dB @ DC ~ 2.1GHz                                                                                                                                                                                               | ≥55dB @ 2.4 ~ 7.0GHz |
| ● Impedance                | 50 Ohms                                                                                                                                                                                                           |                      |
| ● Power                    | 20W Max.                                                                                                                                                                                                          |                      |
| ● Connectors               | N-Male                                                                                                                                                                                                            |                      |
| ● Surface Finish           | Painted Black                                                                                                                                                                                                     |                      |
| ● Temperature Range        | -30°C ~ +70°C                                                                                                                                                                                                     |                      |
| ● Material                 | Housing: 6061 Aluminum alloy    Resonant column: H59 Copper alloy<br>Cover: LY12 Aluminum alloy    Connectors: H59 Copper, Plated ternary alloy<br>Tuning screw: H62 Copper alloy    Other screw: Stainless Steel |                      |
| ● Dimensions               | 134*28*20mm                                                                                                                                                                                                       |                      |
| ● Net weight               | 0.19 KG                                                                                                                                                                                                           |                      |

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

