

- **Model:** HXLBQ-DTA770
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 2240~2260MHz

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

| Technical Data Sheet       |                                                                                              |                                                                                                  |
|----------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Item                       | Parameters                                                                                   |                                                                                                  |
| ● Center Frequency(F0)     | 2250MHz                                                                                      |                                                                                                  |
| ● Pass Band Frequency      | 2240 ~ 2260MHz **                                                                            |                                                                                                  |
| ● Pass Band Insertion Loss | ≤1.5dB                                                                                       |                                                                                                  |
| ● Pass Band Ripple         | ≤0.5dB                                                                                       |                                                                                                  |
| ● Pass Band Return Loss    | ≥20dB                                                                                        |                                                                                                  |
| ● Stop Band Rejection      | ≥50dB @ DC ~ 2220MHz                                                                         | ≥50dB @ 2280 ~ 7500MHz                                                                           |
| ● Impedance                | 50 Ohms                                                                                      |                                                                                                  |
| ● Power Handling           | 20W 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*21mm                                                                                  |                                                                                                  |
| ● Net weight               | 0.261 KG                                                                                     |                                                                                                  |

\*\* The actual design bandwidth will be greater than the Pass Band Frequency, and there is no bandwidth limit.

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

