

- **Model:** HXLBQ-DTA866
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 2100~2200MHz

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

### Technical Data Sheet

| Item                       | Parameters                                                                                   |                                                                                                                   |
|----------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| ● Center Frequency(F0)     | 2150MHz                                                                                      |                                                                                                                   |
| ● Pass Band Frequency      | 2100 ~ 2200MHz **                                                                            |                                                                                                                   |
| ● Pass Band Insertion Loss | ≤1.0dB                                                                                       |                                                                                                                   |
| ● Pass Band Ripple         | ≤0.75dB                                                                                      |                                                                                                                   |
| ● Pass Band Return Loss    | ≥20dB                                                                                        |                                                                                                                   |
| ● Stop Band Rejection      | ≥40dB @ DC ~ 2075MHz                                                                         | ≥40dB @ 2225 ~ 5000MHz                                                                                            |
| ● Impedance                | 50 Ohms                                                                                      |                                                                                                                   |
| ● Power Handling           | 20W Max.                                                                                     |                                                                                                                   |
| ● Connectors               | N-Male / N-Female                                                                            |                                                                                                                   |
| ● Surface Finish           | Painted Black                                                                                |                                                                                                                   |
| ● Temperature Range        | -20°C ~ +60°C                                                                                |                                                                                                                   |
| ● Material                 | Housing: 6061 Aluminum alloy<br>Cover: LY12 Aluminum alloy<br>Tuning screw: H62 Copper alloy | Resonant column: H59 Copper alloy<br>Connectors: H59 Copper, Plated ternary alloy<br>Other screw: Stainless Steel |
| ● Dimensions               | 84*84*26mm                                                                                   |                                                                                                                   |
| ● Net weight               | TBD                                                                                          |                                                                                                                   |

\*\*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)

