

- **Model:** HXLBQ-DTA157
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 1559.298~1562.898MHz

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

### Technical Data Sheet

| Item                       | Parameters                                                                                                                                                                                                        |  |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| ● Center Frequency(F0)     | 1561.098MHz                                                                                                                                                                                                       |  |
| ● Pass Band Bandwidth      | ±1.8MHz (1559.298 ~ 1562.898MHz)                                                                                                                                                                                  |  |
| ● Pass Band Insertion Loss | ≤2.6dB                                                                                                                                                                                                            |  |
| ● Pass Band Ripple         | ≤0.5dB                                                                                                                                                                                                            |  |
| ● Pass Band VSWR           | ≤1.3:1                                                                                                                                                                                                            |  |
| ● Stop Band Rejection      | ≥50dB @ F0±10MHz (DC ~ 1551.098MHz , 1571.098 ~ 3000MHz)                                                                                                                                                          |  |
| ● Impedance                | 50 Ohms                                                                                                                                                                                                           |  |
| ● Power                    | 10W Max.                                                                                                                                                                                                          |  |
| ● Connectors               | SMA-Female                                                                                                                                                                                                        |  |
| ● Surface Finish           | Painted Black                                                                                                                                                                                                     |  |
| ● Temperature Range        | -10°C ~ +50°C                                                                                                                                                                                                     |  |
| ● Material                 | Housing: 6061 Aluminum alloy    Resonant column: H59 Copper alloy<br>Cover: 6061 Aluminum alloy    Connectors: H59 Copper, Plated ternary alloy<br>Tuning screw: H62 Copper alloy    Other screw: Stainless Steel |  |
| ● Dimensions               | 98*66*26mm                                                                                                                                                                                                        |  |
| ● Net weight               | TBD                                                                                                                                                                                                               |  |

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

