

- **Model:** HXLBQ-DTA956
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 5725~5850MHz

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

| Technical Data Sheet       |                        |                         |
|----------------------------|------------------------|-------------------------|
| Item                       | Parameters             |                         |
| ● Center Frequency(F0)     | 5787.5MHz              |                         |
| ● Pass Band Frequency      | 5725 ~ 5850MHz         |                         |
| ● Pass Band Insertion Loss | ≤1.5dB                 |                         |
| ● Pass Band Ripple         | ≤0.7dB                 |                         |
| ● Pass Band Return Loss    | ≥23dB                  |                         |
| ● Stop Band Rejection      | ≥80dB @ DC ~ 5600MHz   | ≥50dB @ 5925 ~ 5975MHz  |
|                            | ≥50dB @ 5600 ~ 5650MHz | ≥80dB @ 5975 ~ 10000MHz |
| ● Impedance                | 50 Ohms                |                         |
| ● Power Handling           | 50W Max.               |                         |
| ● Connectors               | SMA-Female             |                         |
| ● Surface Finish           | Painted Black          |                         |
| ● Temperature Range        | -20℃ ~ +60℃            |                         |
| ● Dimensions               | 140*19*15mm            |                         |
| ● Net weight               | TBD                    |                         |

Note: 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: ±0.3mm)

● **Material**

- Housing: 6061 Aluminum alloy
- Cover: LY12 Aluminum alloy
- Tuning screw: H62 Copper alloy
- Connectors: Stainless Steel
- Other screw: Stainless Steel
- Resonant column: H59 Copper alloy

