

- **Model:** HXLBQ-DTA1182
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 10700~12700MHz

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

| Technical Data Sheet       |                         |                          |
|----------------------------|-------------------------|--------------------------|
| Item                       | Parameters              |                          |
| ● Center Frequency(F0)     | 11700MHz                |                          |
| ● Pass Band Frequency      | 10700 ~ 12700MHz        |                          |
| ● Pass Band Insertion Loss | ≤1.0dB                  |                          |
| ● Pass Band Ripple         | ≤0.6dB                  |                          |
| ● Pass Band Return Loss    | ≥23dB                   |                          |
| ● Stop Band Rejection      | ≥80dB @ DC ~ 9900MHz    | ≥50dB @ 13400 ~ 13650MHz |
|                            | ≥50dB @ 9900 ~ 10300MHz | ≥80dB @ 13650 ~ 27000MHz |
| ● Impedance                | 50 Ohms                 |                          |
| ● Power Handling           | 10W Max.                |                          |
| ● Connectors               | SMA-Female              |                          |
| ● Surface Finish           | Painted Black           |                          |
| ● Temperature Range        | -30°C ~ +70°C           |                          |
| ● Net weight               | 0.098 KG                |                          |

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)

- |                   |                                  |                                |
|-------------------|----------------------------------|--------------------------------|
| ● <b>Material</b> | ● Housing: H62 Copper alloy      | ● Connectors: Stainless Steel  |
|                   | ● Cover: H62 Copper alloy        | ● Other screw: Stainless Steel |
|                   | ● Tuning screw: H62 Copper alloy | ● Dimensions: 90*16*13mm       |

