

- **Model:** HXLBQ-DTA144
- **Product Name:** Interdigital Band Pass Filter
- **Frequency:** 12~18GHz

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

### Technical Data Sheet

| Item                       | Parameters                                                                             |                    |
|----------------------------|----------------------------------------------------------------------------------------|--------------------|
| ● Center Frequency(F0)     | 15GHz                                                                                  |                    |
| ● Pass Band Frequency      | 12 ~ 18GHz                                                                             |                    |
| ● Pass Band Insertion Loss | ≤1.5dB                                                                                 |                    |
| ● Pass Band VSWR           | ≤1.7:1                                                                                 |                    |
| ● Stop Band Rejection      | ≥40dB @ DC ~ 10GHz                                                                     | ≥40dB @ 20 ~ 23GHz |
| ● Impedance                | 50 Ohms                                                                                |                    |
| ● Power                    | 5W Max.                                                                                |                    |
| ● Connectors               | SMA-Female                                                                             |                    |
| ● Surface Finish           | Painted Black                                                                          |                    |
| ● Temperature Range        | -30°C ~ +70°C                                                                          |                    |
| ● Material                 | Housing: H62 Copper alloy<br>Cover: H62 Copper alloy<br>Tuning screw: H62 Copper alloy |                    |
|                            | Connectors: H59 Copper, Plated ternary alloy<br>Other screw: Stainless Steel           |                    |
| ● Dimensions               | 59*14*7mm                                                                              |                    |
| ● Net weight               | TBD                                                                                    |                    |

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

