

- **Model: HXLBQ-DTA1066**
- **Product Name: Comb Band Pass Filter**
- **Frequency: 25~45GHz**

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

### Technical Data Sheet

| Item                       | Parameters                     |                              |
|----------------------------|--------------------------------|------------------------------|
| ● Center Frequency(F0)     | 35GHz                          |                              |
| ● Pass Band Frequency      | 25 ~ 45GHz **                  |                              |
| ● Pass Band Insertion Loss | ≤1.0dB                         |                              |
| ● Pass Band Ripple         | ≤0.46dB                        |                              |
| ● Pass Band Return Loss    | ≥15dB (Typical: ≥17dB)         |                              |
| ● Stop Band Rejection      | ≥80dB @ DC ~ 22.4GHz           | ≥50dB @ 47 ~ 48.67GHz        |
|                            | ≥50dB @ 22.4 ~ 23.52GHz        | ≥80dB @ 48.67 ~ 52GHz        |
|                            |                                | ≥10dB @ 52 ~ 56GHz           |
| ● Impedance                | 50 Ohms                        |                              |
| ● Power Handling           | 5W Max.                        |                              |
| ● Connectors               | 2.4mm(Q)-Female                |                              |
| ● Surface Finish           | Painted Black                  |                              |
| ● Temperature Range        | -30°C ~ +70°C                  |                              |
| ● Material                 | Housing: H62 Copper alloy      | Connectors: Stainless Steel  |
|                            | Cover: H62 Copper alloy        | Other screw: Stainless Steel |
|                            | Tuning screw: H62 Copper alloy |                              |
| ● Dimensions               | 60*14*8mm                      |                              |
| ● 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: ±0.3mm)

