

- **Model:** HXLBQ-DTA678
- **Product Name:** Interdigital Band Pass Filter
- **Frequency:** 1300~2300MHz

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

| Technical Data Sheet       |                                                                                              |                                                             |
|----------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| Item                       | Parameters                                                                                   |                                                             |
| ● Center Frequency(F0)     | 1800MHz                                                                                      |                                                             |
| ● Pass Band Frequency      | 1300 ~ 2300MHz **                                                                            |                                                             |
| ● Pass Band Insertion Loss | ≤1.0dB                                                                                       |                                                             |
| ● Pass Band Ripple         | ≤0.7dB                                                                                       |                                                             |
| ● Pass Band Return Loss    | ≥14dB                                                                                        |                                                             |
| ● Stop Band Rejection      | ≥60dB @ DC ~ 1100MHz                                                                         | ≥60dB @ 2500 ~ 4000MHz                                      |
| ● Impedance                | 50 Ohms                                                                                      |                                                             |
| ● Power Handling           | 5.0W Max.                                                                                    |                                                             |
| ● Connectors               | SMA-Female                                                                                   |                                                             |
| ● Surface Finish           | Painted Black                                                                                |                                                             |
| ● Temperature Range        | -30°C ~ +70°C                                                                                |                                                             |
| ● Material                 | Housing: 6061 Aluminum alloy<br>Cover: LY12 Aluminum alloy<br>Tuning screw: H62 Copper alloy | Connectors: Stainless Steel<br>Other screw: Stainless Steel |
| ● Dimensions               | 87*48*11mm                                                                                   |                                                             |
| ● 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)

