

- **Model:** HXLBQ-DTA512
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 620~632MHz

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

| Technical Data Sheet                                                  |                                                                                              |                                                                                                  |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Item                                                                  | Parameters                                                                                   |                                                                                                  |
| ● Center Frequency(F0)                                                | 626MHz                                                                                       |                                                                                                  |
| ● Pass Band Frequency                                                 | 620 ~ 632MHz                                                                                 |                                                                                                  |
| ● Pass Band Insertion Loss                                            | ≤1.5dB                                                                                       |                                                                                                  |
| ● Pass Band Ripple                                                    | ≤0.6dB                                                                                       |                                                                                                  |
| ● Pass Band Return Loss                                               | ≥20dB                                                                                        |                                                                                                  |
| ● Stop Band Rejection                                                 | ≥30dB @ DC ~ 614MHz                                                                          | ≥30dB @ 638 ~ 2000MHz                                                                            |
| ● Impedance                                                           | 50 Ohms                                                                                      |                                                                                                  |
| ● Power Handling                                                      | 20W Max.                                                                                     |                                                                                                  |
| ● Connectors                                                          | SMA-Female                                                                                   |                                                                                                  |
| ● Surface Finish                                                      | Painted Black                                                                                |                                                                                                  |
| ● Temperature Range                                                   | -30℃ ~ +70℃                                                                                  |                                                                                                  |
| ● Material                                                            | Housing: 6061 Aluminum alloy<br>Cover: LY12 Aluminum alloy<br>Tuning screw: H62 Copper alloy | Resonant column: H59 Copper alloy<br>Connectors: Stainless Steel<br>Other screw: Stainless Steel |
| ● Dimensions                                                          | 128*87*52mm                                                                                  |                                                                                                  |
| ● Net weight                                                          | TBD                                                                                          |                                                                                                  |
| ●Outline Drawing: (Dimensions Unit: mm, Dimensions Tolerance: ±0.5mm) |                                                                                              |                                                                                                  |

