

- **Model:** HXLBQ-DTA529
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 21.2~22.2GHz

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

| Technical Data Sheet                                                  |                                                                                        |                                                             |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------|
| Item                                                                  | Parameters                                                                             |                                                             |
| ● Center Frequency(F0)                                                | 21.7GHz                                                                                |                                                             |
| ● Pass Band Frequency                                                 | 21.2 ~ 22.2GHz                                                                         |                                                             |
| ● Pass Band Insertion Loss                                            | ≤1.0dB                                                                                 |                                                             |
| ● Pass Band Ripple                                                    | ≤0.25dB                                                                                |                                                             |
| ● Pass Band Return Loss                                               | ≥20dB                                                                                  |                                                             |
| ● Stop Band Rejection                                                 | ≥80dB @ DC ~ 19.3GHz                                                                   | ≥40dB @ 23 ~ 24.1GHz                                        |
|                                                                       | ≥40dB @ 19.3 ~ 20.4GHz                                                                 | ≥80dB @ 24.1 ~ 42GHz                                        |
| ● Impedance                                                           | 50 Ohms                                                                                |                                                             |
| ● Power Handling                                                      | 5.0W Max.                                                                              |                                                             |
| ● Connectors                                                          | SMA-Female                                                                             |                                                             |
| ● Surface Finish                                                      | Painted Black                                                                          |                                                             |
| ● Temperature Range                                                   | -30℃ ~ +70℃                                                                            |                                                             |
| ● Material                                                            | Housing: H62 Copper alloy<br>Cover: H62 Copper alloy<br>Tuning screw: H62 Copper alloy | Connectors: Stainless Steel<br>Other screw: Stainless Steel |
| ● Dimensions                                                          | 60*16*9mm                                                                              |                                                             |
| ● Net weight                                                          | 0.065 KG                                                                               |                                                             |
| ●Outline Drawing: (Dimensions Unit: mm, Dimensions Tolerance: ±0.3mm) |                                                                                        |                                                             |

