

- **Model:** HXLBQ-DTA518
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 14.8~16.3GHz

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

| Technical Data Sheet                                                  |                                                                                        |                                                             |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------|
| Item                                                                  | Parameters                                                                             |                                                             |
| ● Center Frequency(F0)                                                | 15.55GHz                                                                               |                                                             |
| ● Pass Band Frequency                                                 | 14.8 ~ 16.3GHz                                                                         |                                                             |
| ● Pass Band Insertion Loss                                            | ≤1.7dB                                                                                 |                                                             |
| ● Pass Band Ripple                                                    | ≤0.8dB                                                                                 |                                                             |
| ● Pass Band Return Loss                                               | ≥20dB                                                                                  |                                                             |
| ● Stop Band Rejection                                                 | ≥80dB @ DC ~ 14.15GHz                                                                  | ≥50dB @ 16.7 ~ 16.95GHz                                     |
|                                                                       | ≥50dB @ 14.15 ~ 14.4GHz                                                                | ≥80dB @ 16.95 ~ 27GHz                                       |
| ● Impedance                                                           | 50 Ohms                                                                                |                                                             |
| ● Power Handling                                                      | 5.0W 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: Stainless Steel<br>Other screw: Stainless Steel |
| ● Dimensions                                                          | 70*16*9.5mm                                                                            |                                                             |
| ● Net weight                                                          | TBD                                                                                    |                                                             |
| ●Outline Drawing: (Dimensions Unit: mm, Dimensions Tolerance: ±0.3mm) |                                                                                        |                                                             |

