

- **Model:** HXLBQ-DTA313
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 2770~2830MHz

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

### Technical Data Sheet

| Item                       | Parameters                                                                                                                                                                                                        |                        |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| ● Center Frequency(F0)     | 2800MHz                                                                                                                                                                                                           |                        |
| ● Pass Band Frequency      | 2770 ~ 2830MHz                                                                                                                                                                                                    |                        |
| ● Pass Band Insertion Loss | ≤1.0dB                                                                                                                                                                                                            |                        |
| ● Pass Band Ripple         | ≤0.5dB                                                                                                                                                                                                            |                        |
| ● Pass Band VSWR           | ≤1.3:1                                                                                                                                                                                                            |                        |
| ● Stop Band Rejection      | ≥50dB @ DC ~ 2740MHz                                                                                                                                                                                              | ≥50dB @ 2860 ~ 6000MHz |
| ● Impedance                | 50 Ohms                                                                                                                                                                                                           |                        |
| ● Power Handling           | 20W Max.                                                                                                                                                                                                          |                        |
| ● Connectors               | SMA-Female                                                                                                                                                                                                        |                        |
| ● Surface Finish           | Painted Black                                                                                                                                                                                                     |                        |
| ● Temperature Range        | -30°C ~ +70°C                                                                                                                                                                                                     |                        |
| ● Material                 | Housing: 6061 Aluminum alloy    Resonant column: H59 Copper alloy<br>Cover: LY12 Aluminum alloy    Connectors: H59 Copper, Plated ternary alloy<br>Tuning screw: H62 Copper alloy    Other screw: Stainless Steel |                        |
| ● Dimensions               | 120*62*21mm                                                                                                                                                                                                       |                        |
| ● Net weight               | TBD                                                                                                                                                                                                               |                        |

● **Outline Drawing:** (Dimensions Unit: mm, Dimensions Tolerance: ±0.5mm)

