

- **Model:** HXLBQ-DTA281
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 703~743MHz

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

### Technical Data Sheet

| Item                       | Parameters                                                                                                                                                                                                        |                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| ● Center Frequency(F0)     | 723MHz                                                                                                                                                                                                            |                       |
| ● Pass Band Frequency      | 703 ~ 743MHz                                                                                                                                                                                                      |                       |
| ● Pass Band Insertion Loss | ≤2.0dB                                                                                                                                                                                                            |                       |
| ● Pass Band Ripple         | ≤1.0dB                                                                                                                                                                                                            |                       |
| ● Pass Band VSWR           | ≤1.3:1                                                                                                                                                                                                            |                       |
| ● Stop Band Rejection      | ≥40dB @ DC ~ 688MHz                                                                                                                                                                                               | ≥40dB @ 758 ~ 1600MHz |
| ● Impedance                | 50 Ohms                                                                                                                                                                                                           |                       |
| ● Power                    | 20W Max.                                                                                                                                                                                                          |                       |
| ● Connectors               | N-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               | 197*56*30mm                                                                                                                                                                                                       |                       |
| ● Net weight               | TBD                                                                                                                                                                                                               |                       |

● **Outline Drawing:** (Dimensions Unit: mm, Dimensions Tolerance: ±0.7mm)

