

- **Model:** HXLBQ-DTA282
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 758~798MHz

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

| Technical Data Sheet       |                     |                       |
|----------------------------|---------------------|-----------------------|
| Item                       | Parameters          |                       |
| ● Center Frequency(F0)     | 778MHz              |                       |
| ● Pass Band Frequency      | 758 ~ 798MHz        |                       |
| ● Pass Band Insertion Loss | ≤2.0dB              |                       |
| ● Pass Band Ripple         | ≤1.0dB              |                       |
| ● Pass Band VSWR           | ≤1.3:1              |                       |
| ● Stop Band Rejection      | ≥40dB @ DC ~ 743MHz | ≥40dB @ 813 ~ 1600MHz |
| ● Impedance                | 50 Ohms             |                       |
| ● Power                    | 20W Max.            |                       |
| ● Connectors               | N-Female            |                       |
| ● Surface Finish           | Painted Black       |                       |
| ● Temperature Range        | -30°C ~ +70°C       |                       |
| ● Net weight               | TBD                 |                       |

Note: The actual design bandwidth will be greater than the Pass Band Frequency, and there is no bandwidth limit.

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

- |                   |                                  |                                                |
|-------------------|----------------------------------|------------------------------------------------|
| ● <b>Material</b> | ● Housing: 6061 Aluminum alloy   | ● Connectors: H59 Copper, Plated ternary alloy |
|                   | ● Cover: LY12 Aluminum alloy     | ● Other screw: Stainless Steel                 |
|                   | ● Tuning screw: H62 Copper alloy | ● Dimensions: 197*63*30mm                      |

