

- **Model:** HXLBQ-DTA1245
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 832~862MHz

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

### Technical Data Sheet

Item	Parameters
● Center Frequency(F0)	847MHz
● Pass Band Frequency	832 ~ 862MHz
● Pass Band Insertion Loss	≤2.0dB
● Pass Band Ripple	≤1.4dB
● Pass Band Return Loss	≥20dB
● Stop Band Rejection	≥30dB @ DC ~ 827MHz      ≥30dB @ 867 ~ 2500MHz
● Impedance	50 Ohms
● Power Handling	20W Max.
● Connectors	N-Female
● Surface Finish	Painted Black
● Temperature Range	+10°C ~ +50°C
● Dimensions	107*107*36mm
● 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   | ● Resonant column: H59 Copper alloy            |
|                   | ● Cover: LY12 Aluminum alloy     | ● Connectors: H59 Copper, Plated ternary alloy |
|                   | ● Tuning screw: H62 Copper alloy | ● Other screw: Stainless Steel                 |

