

- **Model:** HXLBQ-DTA635
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 12618 ~ 12668MHz

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

### Technical Data Sheet

Item	Parameters
● Center Frequency(F0)	12643MHz
● Pass Band Frequency	12618 ~ 12668MHz
● Pass Band Insertion Loss	≤1.9dB
● Pass Band Ripple	≤0.16dB
● Pass Band Return Loss	≥23dB
● Stop Band Rejection	≥80dB @ DC ~ 12188MHz      ≥50dB @ 12868 ~ 13098MHz ≥50dB @ 12188 ~ 12418MHz    ≥80dB @ 13098 ~ 25000MHz
● Impedance	50 Ohms
● Power Handling	5.0W Max.
● Connectors	SMA-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)

- **Material**
  - Housing: H62 Copper alloy
  - Cover: H62 Copper alloy
  - Tuning screw: H62 Copper alloy
  - Connectors: Stainless Steel
  - Working Environment: Indoor
  - Dimensions: 50\*16\*11mm

