

- **Model:** HXLBQ-DTA342
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 10.1~11.2GHz

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

**Technical Data Sheet**

Item	Parameters
● Center Frequency(F0)	10.65GHz
● Pass Band Frequency	10.1 ~ 11.2GHz
● Pass Band Insertion Loss	≤2.7dB
● Pass Band Ripple	≤1.5dB
● Pass Band Return Loss	≥20dB
● Stop Band Attenuation	≥30dB @ DC ~ 10GHz      ≥30dB @ 11.3 ~ 22GHz
● Impedance	50 Ohms
● Power Handling	5W Max.
● Connectors	SMA-Female
● Surface Finish	Painted Black
● Temperature Range	-20°C ~ +60°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: H59 Copper, Plated ternary alloy
  - Other screw: Stainless Steel
  - Dimensions: 120\*16\*12.5mm

