

- **Model:** HXLBQ-DTA347
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 5.95~6.05GHz

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

Technical Data Sheet

Item	Parameters
● Center Frequency(F0)	6.0GHz
● Pass Band Frequency	5.95 ~ 6.05GHz
● Pass Band Insertion Loss	≤1.7dB
● Pass Band Ripple	≤0.3dB
● Pass Band Return Loss	≥20dB
● Stop Band Rejection	≥30dB @ DC ~ 5.85GHz ≥30dB @ 6.15 ~ 20GHz
● Impedance	50 Ohms
● Power Handling	5W 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)

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|-------------------|----------------------------------|--|
| ● Material | ● Housing: H62 Copper alloy | ● Connectors: H59 Copper, Plated ternary alloy |
| | ● Cover: H62 Copper alloy | ● Other screw: Stainless Steel |
| | ● Tuning screw: H62 Copper alloy | ● Dimensions: 60*16*12mm |

