

- **Model:** HXLBQ-DTA554
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 15.225 ~ 15.275GHz

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

Technical Data Sheet

Item	Parameters
● Center Frequency(F0)	15.25GHz
● 3.0dB Bandwidth	50MHz (15.225 ~ 15.275GHz)
● Insertion Loss @ F0	≤2.2dB @ 15.25GHz
● Return Loss	≥18dB @ 15.245 ~ 15.255GHz
● Stop Band Rejection	≥40dB @ DC ~ 15.12GHz ≥40dB @ 15.38 ~ 20GHz
● Impedance	50 Ohms
● Power	5.0W Max.
● Connectors	SMA-Female
● Surface Finish	Painted Black
● Temperature Range	+15°C ~ +30°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: Stainless Steel |
| | ● Cover: H62 Copper alloy | ● Working Environment: Indoor |
| | ● Tuning screw: H62 Copper alloy | ● Dimensions: 80*19*16mm |

