

- **Model:** HXLBQ-DTA447
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 2400~2483.5MHz
- ★ High Stop Band Rejection
- ★ Low Pass Band Insertion Loss
- ★ Customizable Design
- ★ High Reliability

Technical Data Sheet

Item	Parameters	
● Center Frequency(F0)	2441.75MHz	
● Pass Band Frequency	2400 ~ 2483.5MHz	
● Pass Band Insertion Loss	≤1.5dB	
● Pass Band Ripple	≤0.7dB	
● Pass Band VSWR	≤1.22:1	
● Stop Band Rejection	≥50dB @ DC ~ 2370MHz	≥50dB @ 2513.5 ~ 5500MHz
● Impedance	50 Ohms	
● Power	20W Max.	
● Connectors	SMA-Female	
● Surface Finish	Painted Black	
● Temperature Range	-30°C ~ +70°C	
● Dimensions	120*62*26mm	
● Net weight	0.285 KG	

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: 6061 Aluminum alloy | ● Tuning screw: H62 Copper alloy |
| | ● Cover: LY12 Aluminum alloy | ● Connectors: Stainless Steel |
| | ● Tuning screw: H62 Copper alloy | ● Other screw: Stainless Steel |

