

- **Model:** HXLBQ-DTA1231
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 2510~2550MHz

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

Technical Data Sheet

Item	Parameters
● Center Frequency(F0)	2530MHz
● Pass Band Frequency	2510 ~ 2550MHz
● Pass Band Insertion Loss	≤1.0dB
● Pass Band Ripple	≤0.4dB
● Pass Band Return Loss	≥23dB
● Stop Band Rejection	≥80dB @ DC ~ 2300MHz ≥80dB @ 2760 ~ 6000MHz
● Impedance	50 Ohms
● Power Handling	50W Max.
● Connectors	SMA-Female
● Surface Finish	Painted Black
● Temperature Range	-30°C ~ +70°C
● Dimensions	138*30*25mm
● Net weight	0.175 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: Aluminum alloy | ● Connectors: Stainless Steel |
| | ● Cover: Aluminum alloy | ● Other screw: Stainless Steel |
| | ● Tuning screw: H62 Copper alloy | ● Resonant column: Copper alloy |

