

- **Model:** HXLBQ-DTA524
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 470~525MHz

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

Technical Data Sheet	
Item	Parameters
● Center Frequency(F0)	497.5MHz
● Pass Band Frequency	470 ~ 525MHz
● Pass Band Insertion Loss	≤1.2dB
● Pass Band Ripple	≤0.3dB
● Pass Band Return Loss	≥20dB
● Stop Band Rejection	≥60dB @ DC ~ 440MHz ≥60dB @ 555 ~ 1500MHz
● Impedance	50 Ohms
● Power Handling	30W 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: 6061 Aluminum alloy | ● Connectors: Stainless Steel |
| | ● Cover: LY12 Aluminum alloy | ● Working Environment: Indoor |
| | ● Tuning screw: H62 Copper alloy | ● Dimensions: 238*77*35mm |

