

- **Model:** HXLBQ-DTA1349
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 497.5~502.5MHz
- ★ High Stop Band Rejection
- ★ Low Pass Band Insertion Loss
- ★ Customizable Design
- ★ High Reliability

Technical Data Sheet	
Item	Parameters
● Center Frequency(F0)	500MHz
● Pass Band Bandwidth	5.0MHz (497.5 ~ 502.5MHz)
● Pass Band Insertion Loss	≤1.2dB
● Pass Band Ripple	≤0.5dB
● Pass Band VSWR	≤1.25:1
● Stop Band Rejection	≥40dB @ DC ~ 493MHz      ≥40dB @ 507 ~ 2500MHz
● Impedance	50 Ohms
● Power Handling	20W Max.
● Connectors	SMA-Female
● Surface Finish	Painted Black
● Temperature Range	-30°C ~ +70°C
● Net weight	1.0 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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|-------------------|----------------------------------|-------------------------------|
| ◆ <b>Material</b> | ● Housing: 6061 Aluminum alloy   | ● Connectors: Stainless Steel |
|                   | ● Cover: LY12 Aluminum alloy     | ● Working Environment: Indoor |
|                   | ● Tuning screw: H62 Copper alloy | ● Dimensions: 181*93*60mm     |

