

- **Model:** HXLBQ-DTA937
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 490~510MHz

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

Technical Data Sheet

Item	Parameters	
● Center Frequency(F0)	500MHz	
● Pass Band Frequency	490 ~ 510MHz	
● Pass Band Insertion Loss	≤1.0dB	
● Pass Band Ripple	≤0.35dB	
● Pass Band Return Loss	≥23dB	
● Stop Band Rejection	≥40dB @ DC ~ 475MHz	≥40dB @ 525 ~ 1800MHz
● Impedance	50 Ohms	
● Power Handling	20W Max.	
● Connectors	N-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: 180*77*30mm |

