

- **Model:** HXLBQ-DTA209
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 497~503MHz

- ★ 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	497 ~ 503MHz	
● Pass Band Insertion Loss	≤1.5dB	
● Pass Band VSWR	≤1.3:1	
● Stop Band Rejection	≥40dB @ DC ~ 477MHz	≥40dB @ 523 ~ 1000MHz
● Impedance	50 Ohms	
● Power Handling	20W Max.	
● Connectors	SMA-Male / SMA-Female	
● Surface Finish	Painted Black	
● Temperature Range	-30°C ~ +70°C	
● Material	Housing: 6061 Aluminum alloy Cover: LY12 Aluminum alloy Tuning screw: H62 Copper alloy	Resonant column: H59 Copper alloy Connectors: H59 Copper, Plated ternary alloy Other screw: Stainless Steel
● Dimensions	132*88*35mm	
● Net weight	TBD	

● **Outline Drawing:** (Dimensions Unit: mm, Dimensions Tolerance: ±0.7mm)

