

- **Model:** HXLBQ-DTA224
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 3398~3602MHz

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

Technical Data Sheet

Item	Parameters	
● Center Frequency(F0)	3500MHz	
● Pass Band Frequency	3398 ~ 3602MHz	
● Pass Band Insertion Loss	≤1.8dB	
● Pass Band Ripple	≤0.9dB @ 3400 ~ 3600MHz	
● Pass Band Return Loss	≥18dB	
● Stop Band Rejection	≥40dB @ DC ~ 3352MHz	≥20dB @ 3638 ~ 3648MHz
	≥20dB @ 3352 ~ 3362MHz	≥40dB @ 3648 ~ 3698MHz
		≥70dB @ 3698 ~ 4400MHz
● Impedance	50 Ohms	
● Power Handling	20W 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)

- **Material**
 - Housing: 6061 Aluminum alloy
 - Cover: LY12 Aluminum alloy
 - Tuning screw: H62 Copper alloy
 - Connectors: H59 Copper, Plated ternary alloy
 - Other screw: Stainless Steel
 - Dimensions: 74*56*24mm

