

- **Model:** HXLBQ-DTA527
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 10~12GHz

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

**Technical Data Sheet**

Item	Parameters	
● Center Frequency(F0)	11GHz	
● Pass Band Frequency	10 ~ 12GHz	
● Pass Band Insertion Loss	≤0.8dB	
● Pass Band Ripple	≤0.28dB	
● Pass Band Return Loss	≥20dB	
● Stop Band Rejection	≥80dB @ DC ~ 8.9GHz ≥40dB @ 8.9 ~ 9.5GHz	≥40dB @ 12.45 ~ 12.95GHz ≥80dB @ 12.95 ~ 23GHz
● Impedance	50 Ohms	
● Power Handling	5W 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: ±0.4mm)

- **Material**
  - Housing: H62 Copper alloy
  - Cover: H62 Copper alloy
  - Tuning screw: H62 Copper alloy
  - Connectors: Stainless Steel
  - Other screw: Stainless Steel
  - Dimensions: 80\*16\*9mm

