

- **Model:** HXLBQ-DTA1207
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 2.7~3.1GHz

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

Technical Data Sheet		
Item	Parameters	
● Center Frequency(F0)	2.9GHz	
● Pass Band Frequency	2.7 ~ 3.1GHz	
● Pass Band Insertion Loss	≤0.9dB	
● Pass Band Ripple	≤0.5dB	
● Pass Band Return Loss	≥23dB	
● Stop Band Rejection	≥80dB @ DC ~ 2.5GHz	≥50dB @ 3.2 ~ 3.3GHz
	≥50dB @ 2.5 ~ 2.6GHz	≥80dB @ 3.3 ~ 9.0GHz
● Impedance	50 Ohms	
● Power Handling	10W Max.	
● Connectors	SMA-Female	
● Surface Finish	Painted Black	
● Temperature Range	-30°C ~ +70°C	
● Dimensions	120*21*20mm	
● Net weight	0.112 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: ±0.3mm)

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|-------------------|----------------------------------|-------------------------------------|
| ● Material | ● Housing: 6061 Aluminum alloy | ● Connectors: Stainless Steel |
| | ● Cover: LY12 Aluminum alloy | ● Other screw: Stainless Steel |
| | ● Tuning screw: H62 Copper alloy | ● Resonant column: H59 Copper alloy |

