

- **Model:** HXLBQ-DTA517
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 13.1~14.6GHz

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

Technical Data Sheet

Item	Parameters	
● Center Frequency(F0)	13.85GHz	
● Pass Band Frequency	13.1 ~ 14.6GHz	
● Pass Band Insertion Loss	≤1.7dB	
● Pass Band Ripple	≤0.8dB	
● Pass Band Return Loss	≥20dB	
● Stop Band Rejection	≥80dB @ DC ~ 12.45GHz	≥50dB @ 15 ~ 15.25GHz
	≥50dB @ 12.45 ~ 12.7GHz	≥80dB @ 15.25 ~ 25GHz
● Impedance	50 Ohms	
● Power Handling	5.0W 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)

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|-------------------|----------------------------------|-------------------------------|
| ● Material | ● Housing: H62 Copper alloy | ● Connectors: Stainless Steel |
| | ● Cover: H62 Copper alloy | ● Working Environment: Indoor |
| | ● Tuning screw: H62 Copper alloy | ● Dimensions: 70*16*12mm |

