

- **Model:** HXLBQ-DTA305
- **Product Name:** Comb Band Pass Filter
- **Frequency:** 8.0~12GHz

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

Technical Data Sheet		
Item	Parameters	
● Center Frequency(F0)	10GHz	
● 3.0dB Bandwidth	4.0GHz (8.0 ~ 12GHz)	
● Pass Band Bandwidth	3.5GHz (8.25 ~ 11.75GHz)	
● Pass Band Insertion Loss	≤0.5dB @ 10GHz	≤0.8dB @ 8.25 ~ 11.75GHz
● Pass Band Ripple	≤0.4dB @ 8.25 ~ 11.75GHz	
● Pass Band VSWR	≤1.3:1 @ 8.25 ~ 11.75GHz	
● Stop Band Attenuation	≥80dB @ DC ~ 5.0GHz	≥35dB @ 12.6 ~ 13.4GHz
	≥35dB @ 5.0 ~ 7.0GHz	≥80dB @ 13.4 ~ 20GHz
● 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: ±0.5mm)

- | | | |
|-------------------|----------------------------------|--------------------------------|
| ● Material | ● Housing: H62 Copper alloy | ● Connectors: Stainless Steel |
| | ● Cover: H62 Copper alloy | ● Other screw: Stainless Steel |
| | ● Tuning screw: H62 Copper alloy | ● Dimensions: 70*18*13mm |

