

- **Model:** HXLBQ-DTA892
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 6.5~7.5GHz

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

Technical Data Sheet		
Item	Parameters	
● Center Frequency(F0)	7.0GHz	
● Pass Band Bandwidth	$\pm 0.5\text{GHz}$ (6.5 ~ 7.5GHz) **	
● Pass Band Insertion Loss	$\leq 0.6\text{dB}$	
● Pass Band Ripple	$\leq 0.3\text{dB}$	
● Pass Band VSWR	$\leq 1.15:1$	
● Stop Band Rejection	$\geq 40\text{dB}$ @ F0 $\pm 1.0\text{GHz}$ (5.2 ~ 6.0GHz , 8.0 ~ 8.8GHz) $\geq 80\text{dB}$ @ F0 $\pm 2.0\text{GHz}$ (DC ~ 5.2GHz , 8.8 ~ 22GHz)	
● Impedance	50 Ohms	
● Power Handling	5.0W Max.	
● Connectors	SMA-Male / SMA-Female	
● Surface Finish	Painted Black	
● Temperature Range	$-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$	
● Material	Housing: H62 Copper alloy Cover: H62 Copper alloy Tuning screw: H62 Copper alloy	Connectors: Stainless Steel Other screw: Stainless Steel
● Dimensions	70*17*10mm	
● Net weight	0.08 KG	

** 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: $\pm 0.3\text{mm}$)

