

- **Model:** HXLBQ-DTA831X
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 6300~7200MHz

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

Technical Data Sheet		
Item	Parameters	
● Center Frequency(F0)	6750MHz	
● 3.0dB Bandwidth	900MHz (6300 ~ 7200MHz) [Deviation: ± 40 MHz @ Temperature Range: $+20^{\circ}\text{C} \sim +30^{\circ}\text{C}$]	
● Insertion Loss @ F0	$\leq 1.0\text{dB}$ @ 6750MHz	
● Return Loss	$\geq 23\text{dB}$ @ 6400 ~ 7100MHz	
● Stop Band Rejection	$\geq 80\text{dB}$ @ DC ~ 5930MHz	$\geq 45\text{dB}$ @ 7400 ~ 7570MHz
	$\geq 45\text{dB}$ @ 5930 ~ 6100MHz	$\geq 80\text{dB}$ @ 7570 ~ 18000MHz
● Impedance	50 Ohms	
● Power Handling	10W Max.	
● Connectors	SMA-Female	
● Surface Finish	Painted Black	
● Temperature Range	$-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$	
● Material	Housing: H62 Copper alloy	Connectors: Stainless Steel
	Cover: H62 Copper alloy	Other screw: Stainless Steel
	Tuning screw: H62 Copper alloy	
● Dimensions	90*16*10mm	
● Net weight	TBD	

● **Outline Drawing:** (Dimensions Unit: mm, Dimensions Tolerance: $\pm 0.3\text{mm}$)

