

- **Model:** HXLBQ-DTA824X
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 8500~9500MHz

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

Technical Data Sheet

Item	Parameters	
● Center Frequency(F0)	9000MHz	
● 3.0dB Bandwidth	1000MHz (8500 ~ 9500MHz) [Deviation: ± 50 MHz @ Temperature Range: $+20^{\circ}\text{C} \sim +30^{\circ}\text{C}$]	
● Insertion Loss @ F0	$\leq 1.0\text{dB}$ @ 9000MHz	
● Return Loss	$\geq 23\text{dB}$ @ 8650 ~ 9350MHz	
● Stop Band Rejection	$\geq 80\text{dB}$ @ DC ~ 7500MHz $\geq 40\text{dB}$ @ 9800 ~ 10500MHz $\geq 40\text{dB}$ @ 7500 ~ 8200MHz $\geq 80\text{dB}$ @ 10500 ~ 22000MHz $\geq 40\text{dB}$ @ 22000 ~ 24000MHz	
● 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	70*16*9mm	
● Net weight	0.07 KG	

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

