

- **Model: HXLBQ-DTA815X**
- **Product Name: Cavity Band Pass Filter**
- **Frequency: 2300~2550MHz**

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

Technical Data Sheet		
Item	Parameters	
● Center Frequency(F0)	2425MHz	
● 3.0dB Bandwidth	250MHz (2300 ~ 2550MHz) [Deviation: ± 10 MHz @ Temperature Range: $+20^{\circ}\text{C} \sim +30^{\circ}\text{C}$]	
● Pass Band Bandwidth	200MHz (2325 ~ 2525MHz)	
● Pass Band Insertion Loss	$\leq 1.0\text{dB}$ @ 2325 ~ 2525MHz	
● Pass Band Ripple	$\leq 0.5\text{dB}$ @ 2325 ~ 2525MHz	
● Pass Band Return Loss	$\geq 23\text{dB}$ @ 2325 ~ 2525MHz	
● Stop Band Rejection	$\geq 40\text{dB}$ @ DC ~ 2200MHz	$\geq 40\text{dB}$ @ 2650 ~ 8000MHz
● 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: 6061 Aluminum alloy Resonant column: H59 Copper alloy Cover: LY12 Aluminum alloy Connectors: Stainless Steel Tuning screw: H62 Copper alloy Other screw: Stainless Steel	
● Dimensions	100*23*21mm	
● Net weight	0.097 KG	

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

