

- **Model: HXLBQ-DTA830X**
- **Product Name: Cavity Band Pass Filter**
- **Frequency: 5000~6000MHz**

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

Technical Data Sheet

Item	Parameters	
● Center Frequency(F0)	5500MHz	
● 3.0dB Bandwidth	1000MHz (5000 ~ 6000MHz) [Deviation: ± 50 MHz @ Temperature Range: $+20^{\circ}\text{C} \sim +30^{\circ}\text{C}$]	
● Insertion Loss @ F0	$\leq 1.0\text{dB}$ @ 5500MHz	
● Return Loss	$\geq 23\text{dB}$ @ 5100 ~ 5900MHz	
● Stop Band Rejection	$\geq 80\text{dB}$ @ DC ~ 4450MHz	$\geq 40\text{dB}$ @ 6180 ~ 6550MHz
	$\geq 40\text{dB}$ @ 4450 ~ 4810MHz	$\geq 80\text{dB}$ @ 6550 ~ 14000MHz
		$\geq 40\text{dB}$ @ 14000 ~ 16500MHz
● 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	80*16*11mm	
● Net weight	TBD	

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

