

- **Model: HXLBQ-DTA816X**
- **Product Name: Cavity Band Pass Filter**
- **Frequency: 2700~3000MHz**

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

Technical Data Sheet		
Item	Parameters	
● Center Frequency(F0)	2850MHz	
● 3.0dB Bandwidth	300MHz (2700 ~ 3000MHz) [Deviation: ± 10 MHz @ Temperature Range: $+20^{\circ}\text{C} \sim +30^{\circ}\text{C}$]	
● Pass Band Bandwidth	220MHz (2740 ~ 2960MHz)	
● Pass Band Insertion Loss	$\leq 1.5\text{dB}$ @ 2740 ~ 2960MHz	
● Pass Band Ripple	$\leq 0.8\text{dB}$ @ 2740 ~ 2960MHz	
● Pass Band Return Loss	$\geq 23\text{dB}$ @ 2740 ~ 2960MHz	
● Stop Band Rejection	$\geq 55\text{dB}$ @ DC ~ 2560MHz	$\geq 65\text{dB}$ @ 3140 ~ 9500MHz
● 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 Cover: LY12 Aluminum alloy Tuning screw: H62 Copper alloy	Resonant column: H59 Copper alloy Connectors: Stainless Steel Other screw: Stainless Steel
● Dimensions	110*22*19mm	
● Net weight	0.096 KG	

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

