

- **Model: HXLBQ-DTA765**
- **Product Name: Cavity Band Pass Filter**
- **Frequency: 14900~15100MHz**

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

Technical Data Sheet		
Item	Parameters	
● Center Frequency(F0)	15000MHz	
● Pass Band Bandwidth	$\pm 100\text{MHz}$ (14900 ~ 15100MHz) **	
● Pass Band Insertion Loss	$\leq 1.2\text{dB}$	
● Pass Band Ripple	$\leq 0.35\text{dB}$	
● Pass Band Return Loss	$\geq 23\text{dB}$	
● Stop Band Rejection	$\geq 80\text{dB}$ @ DC ~ 14300MHz	$\geq 50\text{dB}$ @ 15500 ~ 15700MHz
	$\geq 50\text{dB}$ @ 14300 ~ 14500MHz	$\geq 80\text{dB}$ @ 15700 ~ 28000MHz
		$\geq 50\text{dB}$ @ 28000 ~ 30000MHz
● 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*8.5mm	
● Net weight	0.075 KG	

** The actual design bandwidth will be greater than the Pass Band Frequency, and there is no bandwidth limit.

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

