

- **Model:** HXLBQ-DTA743
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 1970MHz

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

Technical Data Sheet

Item	Parameters	
● Center Frequency(F0)	1970MHz	
● 3.0dB Bandwidth	30MHz [Deviation: $\pm 3.0\text{MHz}$ @ Temperature Range: $+20^{\circ}\text{C} \sim +30^{\circ}\text{C}$]	
● Insertion Loss @ F0	$\leq 1.2\text{dB}$ @ 1970MHz	
● Return Loss	$\geq 23\text{dB}$ @ 1970MHz $\pm 8.0\text{MHz}$	
● Group Delay	$\leq 60\text{ns}$ @ 1970MHz	
● Stop Band Rejection	$\geq 40\text{dB}$ @ F0 $\pm 35\text{MHz}$ (DC ~ 1935MHz , 2005MHz ~ 6000MHz)	
● Impedance	50 Ohms	
● Power Handling	20W Max.	
● Connectors	SMA-Female	
● Surface Finish	Painted Black	
● Temperature Range	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$	
● 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*68*26mm	
● Net weight	TBD	

●Outline Drawing: (Dimensions Unit: mm, Dimensions Tolerance: $\pm 0.5\text{mm}$)

