

- **Model:** HXLBQ-DTA832X
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 2770~2930MHz

- ★ 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	160MHz (2770 ~ 2930MHz) [Deviation: ± 20 MHz @ Temperature Range: $+20^{\circ}\text{C} \sim +30^{\circ}\text{C}$]	
● Insertion Loss @ F0	≤ 1.2 dB @ 2850MHz	
● Return Loss	≥ 23 dB @ 2800 ~ 2900MHz	
● Stop Band Rejection	≥ 80 dB @ DC ~ 2630MHz	≥ 50 dB @ 3000 ~ 3070MHz
	≥ 50 dB @ 2630 ~ 2700MHz	≥ 80 dB @ 3070 ~ 9000MHz
● 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	110*20*18mm	
● Net weight	TBD	

●Outline Drawing: (Dimensions Unit: mm, Dimensions Tolerance: ± 0.3 mm)

