

- **Model:** HXLBQ-DTA823X
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 2580~3100MHz

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

Technical Data Sheet

Item	Parameters	
● Center Frequency(F0)	2840MHz	
● 3.0dB Bandwidth	520MHz (2580 ~ 3100MHz) [Deviation: ±40MHz @ Temperature Range: +20°C ~ +30°C]	
● Insertion Loss @ F0	≤1.0dB @ 2840MHz	
● Return Loss	≥23dB @ 2640 ~ 3040MHz	
● Stop Band Rejection	≥80dB @ DC ~ 2240MHz	≥70dB @ 3300 ~ 3340MHz
	≥55dB @ 2240 ~ 2380MHz	≥80dB @ 3340 ~ 8000MHz
● Impedance	50 Ohms	
● Power Handling	10W Max.	
● Connectors	SMA-Female	
● Surface Finish	Painted Black	
● Temperature Range	-30°C ~ +70°C	
● Material	Housing: 6061 Aluminum alloy	Connectors: Stainless Steel
	Cover: LY12 Aluminum alloy	Other screw: Stainless Steel
	Tuning screw: H62 Copper alloy	
● Dimensions	110*22*20mm	
● Net weight	TBD	

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

