

- **Model:** HXLBQ-DTA589
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 2490~2510MHz
- ★ High Stop Band Rejection
- ★ Low Pass Band Insertion Loss
- ★ Customizable Design
- ★ High Reliability

Technical Data Sheet	
Item	Parameters
● Center Frequency(F0)	2500MHz
● Pass Band Frequency	2490 ~ 2510MHz
● Pass Band Insertion Loss	≤1.0dB
● Pass Band Ripple	≤0.2dB
● Pass Band Return Loss	≥20dB
● Stop Band Rejection	≥50dB @ DC ~ 2460MHz ≥50dB @ 2540 ~ 5000MHz
● Impedance	50 Ohms
● Power Handling	50W Max.
● Connectors	SMA-Female
● Surface Finish	Painted Black
● Temperature Range	-30°C ~ +70°C
● Net weight	TBD

Note: 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: ±0.4mm)

- **Material**
 - Housing: 6061 Aluminum alloy
 - Cover: LY12 Aluminum alloy
 - Tuning screw: H62 Copper alloy
 - Connectors: Stainless Steel
 - Working Environment: Indoor
 - Dimensions: 100*68*28mm

