

- **Model: HXLBQ-DTA643**
- **Product Name: Cavity Band Pass Filter**
- **Frequency: 2310~2540MHz**
- ★ **High Stop Band Rejection**
- ★ **Low Pass Band Insertion Loss**
- ★ **Customizable Design**
- ★ **High Reliability**

Technical Data Sheet	
Item	Parameters
● Center Frequency(F0)	2425MHz
● Pass Band Frequency	2310 ~ 2540MHz
● Pass Band Insertion Loss	≤1.5dB
● Pass Band Ripple	≤0.8dB
● Pass Band Return Loss	≥23dB
● Stop Band Rejection	≥80dB @ DC ~ 2200MHz      ≥40dB @ 2590 ~ 2650MHz ≥40dB @ 2200 ~ 2260MHz      ≥80dB @ 2650 ~ 6000MHz
● Impedance	50 Ohms
● Power Handling	10W 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: ±0.5mm)

- **Material**
  - Housing: 6061 Aluminum alloy
  - Cover: LY12 Aluminum alloy
  - Tuning screw: H62 Copper alloy
  - Connectors: Stainless Steel
  - Working Environment: Indoor
  - Dimensions: 150\*21\*24mm

