

- **Model: HXLBQ-DTA815X**
- **Product Name: Cavity Band Pass Filter**
- **Frequency: 2300~2550MHz**

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

Technical Data Sheet

Item	Parameters
● Center Frequency(F0)	2425MHz
● 3.0dB Bandwidth	250MHz (2300 ~ 2550MHz) [Deviation: ±10MHz @ Temperature Range: +20°C ~ +30°C]
● Pass Band Bandwidth	200MHz (2325 ~ 2525MHz)
● Pass Band Insertion Loss	≤1.0dB @ 2325 ~ 2525MHz
● Pass Band Ripple	≤0.5dB @ 2325 ~ 2525MHz
● Pass Band Return Loss	≥23dB @ 2325 ~ 2525MHz
● Stop Band Rejection	≥40dB @ DC ~ 2200MHz ≥40dB @ 2650 ~ 8000MHz
● Impedance	50 Ohms
● Power Handling	10W Max.
● Connectors	SMA-Female
● Surface Finish	Painted Black
● Temperature Range	-30°C ~ +70°C
● Net weight	0.097 KG

● **Outline Drawing:** (Dimensions Unit: mm, Dimensions Tolerance: ±0.5mm)

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|-------------------|----------------------------------|-------------------------------|
| ◆ Material | ● Housing: 6061 Aluminum alloy | ● Connectors: Stainless Steel |
| | ● Cover: LY12 Aluminum alloy | ● Working Environment: Indoor |
| | ● Tuning screw: H62 Copper alloy | ● Dimensions: 100*23*24mm |

