

- **Model: HXLBQ-DTA503**
- **Product Name: Cavity Band Pass Filter**
- **Frequency: 7.9~8.4GHz**

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

| Technical Data Sheet | |
|----------------------------|--|
| Item | Parameters |
| ● Center Frequency(F0) | 8.15GHz |
| ● Pass Band Frequency | 7.9 ~ 8.4GHz |
| ● Pass Band Insertion Loss | ≤1.5dB |
| ● Pass Band Ripple | ≤0.7dB |
| ● Pass Band Return Loss | ≥20dB |
| ● Stop Band Rejection | ≥50dB @ DC ~ 7.7GHz ≥50dB @ 8.6 ~ 22GHz |
| ● Impedance | 50 Ohms |
| ● Power Handling | 5.0W Max. |
| ● Connectors | SMA-Female |
| ● Surface Finish | Painted Black |
| ● Temperature Range | -30°C ~ +70°C |
| ● Net weight | 0.08 KG |

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: H62 Copper alloy | ● Connectors: Stainless Steel |
| | ● Cover: H62 Copper alloy | ● Working Environment: Indoor |
| | ● Tuning screw: H62 Copper alloy | ● Dimensions: 80*16*13mm |

