

- **Model:** HXLBQ-DTA510X
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 6000~8000MHz

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

Technical Data Sheet

| Item | Parameters | |
|----------------------------|--|---|
| ● Center Frequency(F0) | 7000MHz | |
| ● Pass Band Frequency | 6000 ~ 8000MHz | |
| ● Pass Band Insertion Loss | ≤1.0dB | |
| ● Pass Band Ripple | ≤0.45dB | |
| ● Pass Band Return Loss | ≥20dB | |
| ● Stop Band Rejection | ≥80dB @ DC ~ 5000MHz ≥45dB @ 5000 ~ 5500MHz | ≥45dB @ 8400 ~ 8650MHz ≥80dB @ 8650 ~ 19000MHz |
| ● Impedance | 50 Ohms | |
| ● Power Handling | 5.0W 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: ±0.3mm)

- **Material**
 - Housing: H62 Copper alloy
 - Cover: H62 Copper alloy
 - Tuning screw: H62 Copper alloy
 - Connectors: Stainless Steel
 - Other screw: Stainless Steel
 - Dimensions: 90*17*11mm

