

- **Model:** HXLBQ-DTA1210
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 10000~11000MHz

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

### Technical Data Sheet

| Item                       | Parameters   |  |
|----------------------------|--|--|
| ● Center Frequency(F0)     | 10500MHz   |  |
| ● Pass Band Frequency      | 10000 ~ 11000MHz   |  |
| ● Pass Band Insertion Loss | ≤1.3dB   |  |
| ● Pass Band Ripple         | ≤0.7dB   |  |
| ● Pass Band Return Loss    | ≥23dB  |  |
| ● Stop Band Rejection      | ≥80dB @ DC ~ 9250MHz<br>≥65dB @ 9250 ~ 9500MHz<br>≥40dB @ 9500 ~ 9700MHz | ≥40dB @ 11300 ~ 11500MHz<br>≥65dB @ 11500 ~ 11750MHz<br>≥80dB @ 11750 ~ 23000MHz |
| ● Impedance                | 50 Ohms  |  |
| ● Power                    | 5.0W Max.  |  |
| ● Connectors               | SMA-Female   |  |
| ● Surface Finish           | Painted Black  |  |
| ● Temperature Range        | -30°C ~ +70°C  |  |
| ● Dimensions               | 80*16*9mm  |  |
| ● Net weight               | 0.077 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: ±0.3mm)

- |                   |                                  |                                |
|-------------------|----------------------------------|--------------------------------|
| ◆ <b>Material</b> | ● Housing: H62 Copper alloy      | ● Connectors: Stainless Steel  |
|                   | ● Cover: H62 Copper alloy        | ● Other screw: Stainless Steel |
|                   | ● Tuning screw: H62 Copper alloy |                                |

