

- **Model:** HXLBQ-DTA1369X
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 17.3~17.7GHz

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

| Technical Data Sheet       |                      |                                            |
|----------------------------|----------------------|--------------------------------------------|
| Item                       | Parameters           |                                            |
| ● Center Frequency(F0)     | 17.5GHz              |                                            |
| ● Pass Band Frequency      | 17.3 ~ 17.7GHz       |                                            |
| ● Pass Band Insertion Loss | ≤1.2dB               |                                            |
| ● Pass Band Ripple         | ≤0.4dB               |                                            |
| ● Pass Band Return Loss    | ≥23dB                |                                            |
| ● Stop Band Rejection      | ≥80dB @ DC ~ 16.7GHz | ≥80dB @ 18.3 ~ 33GHz<br>≥50dB @ 33 ~ 35GHz |
| ● Impedance                | 50 Ohms              |                                            |
| ● Power Handling           | 5.0W Max.            |                                            |
| ● Connectors               | SMA-Female           |                                            |
| ● Surface Finish           | Painted Black        |                                            |
| ● Temperature Range        | -30°C ~ +70°C        |                                            |
| ● Net weight               | 0.066 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: ±0.4mm)

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|-------------------|------------------------------|-------------------------------|
| ◆ <b>Material</b> | ● Housing: Copper alloy      | ● Connectors: Stainless Steel |
|                   | ● Cover: Copper alloy        | ● Working Environment: Indoor |
|                   | ● Tuning screw: Copper alloy | ● Dimensions: 60*16*12mm      |

