

- **Model:** HXLBQ-DTA1298
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 3021~3041MHz

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

Technical Data Sheet

| Item | Parameters | |
|----------------------------|------------------------|-------------------------|
| ● Center Frequency(F0) | 3031MHz | |
| ● Pass Band Frequency | 3021 ~ 3041MHz | |
| ● Pass Band Insertion Loss | ≤3.2dB | |
| ● Pass Band Ripple | ≤0.65dB | |
| ● Pass Band Return Loss | ≥23dB | |
| ● Stop Band Rejection | ≥80dB @ DC ~ 2971MHz | ≥40dB @ 3061 ~ 3091MHz |
| | ≥40dB @ 2971 ~ 3001MHz | ≥80dB @ 3091 ~ 12000MHz |
| ● Impedance | 50 Ohms | |
| ● Power Handling | 5.0W Max. | |
| ● Connectors | SMA-Female | |
| ● Surface Finish | Painted Black | |
| ● Temperature Range | 0°C ~ +50°C | |
| ● Net weight | 0.082 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)

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|-------------------|----------------------------------|--------------------------------|
| ◆ Material | ● Housing: 6061 Aluminum alloy | ● Connectors: Stainless Steel |
| | ● Cover: LY12 Aluminum alloy | ● Other screw: Stainless Steel |
| | ● Tuning screw: H62 Copper alloy | ● Dimensions: 120*20*20mm |

