

- **Model:** HXLBQ-DTA1311
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 2.9~3.1GHz

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

Technical Data Sheet

Item	Parameters
● Center Frequency(F0)	3.0GHz
● Pass Band Frequency	2.9 ~ 3.1GHz
● Pass Band Insertion Loss	≤0.95dB
● Pass Band Ripple	≤0.35dB
● Pass Band Return Loss	≥23dB
● Stop Band Rejection	≥80dB @ DC ~ 2.63GHz ≥70dB @ 3.3 ~ 3.35GHz ≥65dB @ 2.63 ~ 2.7GHz ≥80dB @ 3.35 ~ 12GHz
● Impedance	50 Ohms
● Power	10W Max.
● Connectors	SMA-Female
● Surface Finish	Painted Black
● Temperature Range	-30°C ~ +70°C
● Net weight	0.076 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: 6061 Aluminum alloy
 - Cover: LY12 Aluminum alloy
 - Tuning screw: H62 Copper alloy
 - Connectors: Stainless Steel
 - Working Environment: Indoor
 - Dimensions: 100*20*20mm

