

- **Model:** HXLBQ-DTA314
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 13.99~14.51GHz

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

Technical Data Sheet

Item	Parameters
● Center Frequency(F0)	14.25GHz
● Pass Band Frequency	13.99 ~ 14.51GHz
● Pass Band Insertion Loss	≤0.8dB
● Pass Band Ripple	≤0.3dB
● Pass Band VSWR	≤1.3:1
● Stop Band Rejection	≥50dB @ DC ~ 13GHz ≥50dB @ 15.5 ~ 25GHz
● Impedance	50 Ohms
● Power Handling	5W 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: ±0.5mm)

- **Material**
 - Housing: 6061 Aluminum alloy
 - Cover: LY12 Aluminum alloy
 - Tuning screw: H62 Copper alloy
 - Connectors: H59 Copper, Plated ternary alloy
 - Other screw: Stainless Steel
 - Dimensions: 60*16*14mm

