

- **Model:** HXLBQ-DTA516
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 11.4~12.9GHz

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

Technical Data Sheet	
Item	Parameters
● Center Frequency(F0)	12.15GHz
● Pass Band Frequency	11.4 ~ 12.9GHz
● Pass Band Insertion Loss	≤1.2dB
● Pass Band Ripple	≤0.6dB
● Pass Band Return Loss	≥20dB
● Stop Band Rejection	≥80dB @ DC ~ 10.75GHz ≥50dB @ 13.3 ~ 13.55GHz ≥50dB @ 10.75 ~ 11GHz ≥80dB @ 13.55 ~ 23.5GHz
● Impedance	50 Ohms
● Power Handling	5.0W 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: H62 Copper alloy | ● Connectors: Stainless Steel |
| | ● Cover: H62 Copper alloy | ● Working Environment: Indoor |
| | ● Tuning screw: H62 Copper alloy | ● Dimensions: 100*16*12mm |

