

- **Model:** HXLBQ-DTA1270
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 1447~1467MHz

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

### Technical Data Sheet

Item	Parameters	
● Center Frequency(F0)	1457MHz	
● Pass Band Frequency	1447 ~ 1467MHz	
● Pass Band Insertion Loss	≤1.5dB	
● Pass Band Ripple	≤0.7dB	
● Pass Band Return Loss	≥20dB	
● Stop Band Rejection	≥65dB @ DC ~ 1407MHz ≥30dB @ 1407 ~ 1437MHz	≥30dB @ 1477 ~ 1507MHz ≥65dB @ 1507 ~ 5000MHz
● Impedance	50 Ohms	
● Power Handling	30W Max.	
● Connectors	SMA-Female	
● Surface Finish	Painted Black	
● Temperature Range	-10°C ~ +50°C	
● Dimensions	120*62*31mm	
● 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: ±0.4mm)

- |                   |                              |  |
|-------------------|------------------------------|--|
| ◆ <b>Material</b> | ● Housing: Aluminum alloy    | ● Connectors: Stainless Steel                |
|                   | ● Cover: Aluminum alloy      | ● Other screw: Stainless Steel               |
|                   | ● Tuning screw: Copper alloy | ● Other screw: Resonant column: Copper alloy |

