

- **Model:** HXLBQ-DTA1171
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 420~440MHz

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

Technical Data Sheet

Item	Parameters
● Center Frequency(F0)	430MHz
● Pass Band Frequency	420 ~ 440MHz
● Pass Band Insertion Loss	≤0.6dB
● Pass Band Ripple	≤0.15dB
● Pass Band Return Loss	≥23dB
● Stop Band Attenuation	≥40dB @ Fc±50MHz (DC ~ 370MHz , 490 ~ 1500MHz)
● Impedance	50 Ohms
● Power	100W Max.
● Connectors	N-Male / N-Female
● Surface Finish	Painted Black
● Temperature Range	-30°C ~ +70°C
● Dimensions	163*98*45mm
● 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: ±0.3mm)

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|-----------|---------------------------------|---|
| ●Material | ●Housing: 6061 Aluminum alloy | ●Resonant column: H59 Copper alloy |
| | ●Cover: LY12 Aluminum alloy | ●Connectors: H59 Copper, Plated ternary alloy |
| | ●Tuning screw: H62 Copper alloy | ●Other screw: Stainless Steel |

