

- **Model:** HXLBQ-DTA1228
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 6.5~7.5GHz

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

**Technical Data Sheet**

Item	Parameters
● Center Frequency(F0)	7.0GHz
● Pass Band Bandwidth	±0.5GHz (6.5 ~ 7.5GHz)
● Pass Band Insertion Loss	≤0.7dB
● Pass Band Ripple	≤0.3dB
● Pass Band VSWR	≤1.15:1
● Stop Band Rejection	≥40dB @ F0±1.0GHz (5.2 ~ 6.0GHz , 8.0 ~ 8.8GHz) ≥80dB @ F0±1.8GHz (DC ~ 5.2GHz , 8.8 ~ 22GHz)
● Impedance	50 Ohms
● Power Handling	10W Max.
● Connectors	SMA-Female
● Surface Finish	Painted Black
● Temperature Range	-30°C ~ +70°C
● Dimensions	70*17*10mm
● Net weight	0.08 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: ±0.3mm)

- ◆ **Material**
- Housing: H62 Copper alloy
  - Cover: H62 Copper alloy
  - Tuning screw: H62 Copper alloy
  - Connectors: Stainless Steel
  - Other screw: Stainless Steel

