

- **Model:** HXLBQ-DTA642
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 9.0~11GHz

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

Technical Data Sheet

Item	Parameters	
● Center Frequency(F0)	10GHz	
● Pass Band Frequency	9.0 ~ 11GHz	
● Pass Band Insertion Loss	≤0.8dB	
● Pass Band Ripple	≤0.35dB	
● Pass Band Return Loss	≥23dB	
● Stop Band Rejection	≥80dB @ DC ~ 8.2GHz ≥50dB @ 8.2 ~ 8.5GHz	≥55dB @ 11.5 ~ 11.75GHz ≥80dB @ 11.75 ~ 25GHz
● Impedance	50 Ohms	
● Power Handling	5.0W Max.	
● Connectors	SMA-Female	
● Surface Finish	Painted Black	
● Temperature Range	-30°C ~ +70°C	
● Net weight	0.093 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
 - Dimensions: 100*16*12mm

