

- **Model: HXLBQ-DTA916**
- **Product Name: Cavity Band Pass Filter**
- **Frequency: 9935~9985MHz**
- ★ **High Stop Band Rejection**
- ★ **Low Pass Band Insertion Loss**
- ★ **Customizable Design**
- ★ **High Reliability**

### Technical Data Sheet

Item	Parameters	
● Center Frequency(F0)	9960MHz	
● Pass Band Frequency	9935 ~ 9985MHz	
● Pass Band Insertion Loss	≤1.5dB	
● Pass Band Ripple	≤0.4dB	
● Pass Band Return Loss	≥23dB	
● Stop Band Rejection	≥80dB @ DC ~ 9610MHz ≥50dB @ 9610 ~ 9735MHz ≥30dB @ 9735 ~ 9804MHz	≥30dB @ 10116 ~ 10185MHz ≥50dB @ 10185 ~ 10310MHz ≥80dB @ 10310 ~ 25000MHz
● Impedance	50 Ohms	
● Power Handling	10W Max.	
● Connectors	SMA-Female	
● Surface Finish	Painted Black	
● Temperature Range	-30°C ~ +70°C	
● Net weight	0.072 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: ±0.5mm)

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| <b>◆ Material</b> <ul style="list-style-type: none"> <li>● Housing: H62 Copper alloy</li> <li>● Cover: H62 Copper alloy</li> <li>● Tuning screw: H62 Copper alloy</li> </ul> | <ul style="list-style-type: none"> <li>● Connectors: Stainless Steel</li> <li>● Working Environment: Indoor</li> <li>● Dimensions: 70*16*12mm</li> </ul> |
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