

- **Model: HXLBQ-DTA952**
- **Product Name: Cavity Band Pass Filter**
- **Frequency: 6500~7900MHz**
- ★ **High Stop Band Rejection**
- ★ **Low Pass Band Insertion Loss**
- ★ **Customizable Design**
- ★ **High Reliability**

Technical Data Sheet							
Item	Parameters						
● Center Frequency(F0)	7200MHz						
● Pass Band Frequency	6500 ~ 7900MHz						
● Pass Band Insertion Loss	≤1.7dB						
● Pass Band Ripple	≤0.85dB						
● Pass Band Return Loss	≥23dB						
● Stop Band Rejection	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">≥80dB @ DC ~ 6225MHz</td> <td style="width: 50%;">≥20dB @ 8000 ~ 8100MHz</td> </tr> <tr> <td>≥60dB @ 6225 ~ 6300MHz</td> <td>≥62dB @ 8100 ~ 8155MHz</td> </tr> <tr> <td>≥20dB @ 6300 ~ 6400MHz</td> <td>≥80dB @ 8155 ~ 23000MHz</td> </tr> </table>	≥80dB @ DC ~ 6225MHz	≥20dB @ 8000 ~ 8100MHz	≥60dB @ 6225 ~ 6300MHz	≥62dB @ 8100 ~ 8155MHz	≥20dB @ 6300 ~ 6400MHz	≥80dB @ 8155 ~ 23000MHz
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● Impedance	50 Ohms						
● Power	5.0W Max.						
● Connectors	SMA-Male / SMA-Female						
● Surface Finish	Painted Black						
● Temperature Range	-10°C ~ +50°C						
● 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: ±0.5mm)

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|-------------------|----------------------------------|-------------------------------|
| ◆ Material | ● Housing: H62 Copper alloy | ● Connectors: Stainless Steel |
| | ● Cover: H62 Copper alloy | ● Working Environment: Indoor |
| | ● Tuning screw: H62 Copper alloy | ● Dimensions: 120*16*12mm |

