

- **Model: HXLBQ-DTA987**
- **Product Name: Comb Band Pass Filter**
- **Frequency: 13~18GHz**

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

Technical Data Sheet							
Item	Parameters						
● Center Frequency(F0)	15.5GHz						
● Pass Band Frequency	13 ~ 18GHz						
● Pass Band Insertion Loss	≤1.2dB						
● Pass Band Ripple	≤0.7dB						
● Pass Band Return Loss	≥18dB						
● Stop Band Rejection	<table border="0"> <tr> <td>≥80dB @ DC ~ 11.3GHz</td> <td>≥40dB @ 18.5 ~ 18.6GHz</td> </tr> <tr> <td>≥50dB @ 11.3 ~ 12GHz</td> <td>≥50dB @ 18.6 ~ 18.8GHz</td> </tr> <tr> <td>≥15dB @ 12 ~ 12.5GHz</td> <td>≥80dB @ 18.8 ~ 27GHz</td> </tr> </table>	≥80dB @ DC ~ 11.3GHz	≥40dB @ 18.5 ~ 18.6GHz	≥50dB @ 11.3 ~ 12GHz	≥50dB @ 18.6 ~ 18.8GHz	≥15dB @ 12 ~ 12.5GHz	≥80dB @ 18.8 ~ 27GHz
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● Impedance	50 Ohms						
● Power Handling	5.0W Max.						
● Connectors	SMA-Female						
● Surface Finish	Painted Black						
● Temperature Range	-30°C ~ +70°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)

- |                   |                                  |                               |
|-------------------|----------------------------------|-------------------------------|
| ◆ <b>Material</b> | ● Housing: H62 Copper alloy      | ● Connectors: Stainless Steel |
|                   | ● Cover: H62 Copper alloy        | ● Working Environment: Indoor |
|                   | ● Tuning screw: H62 Copper alloy | ● Dimensions: 90*16*14mm      |

