

- **Model: HXLBQ-DTA296**
- **Product Name: Comb Band Pass Filter**
- **Frequency: 26~40GHz**
- ★ **High Stop Band Rejection**
- ★ **Low Pass Band Insertion Loss**
- ★ **Customizable Design**
- ★ **High Reliability**

Technical Data Sheet							
Item	Parameters						
● Center Frequency(F0)	33GHz						
● Pass Band Frequency	26 ~ 40GHz						
● Pass Band Insertion Loss	≤1.2dB						
● Pass Band Ripple	≤0.55dB						
● Pass Band Return Loss	≥17dB						
● Stop Band Rejection	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;"><math>\geq 80\text{dB @ DC} \sim 24000\text{MHz}</math></td> <td style="width: 50%;"><math>\geq 35\text{dB @ } 41000 \sim 42300\text{MHz}</math></td> </tr> <tr> <td><math>\geq 45\text{dB @ } 24000 \sim 25000\text{MHz}</math></td> <td><math>\geq 80\text{dB @ } 42300 \sim 43000\text{MHz}</math></td> </tr> <tr> <td></td> <td><math>\geq 40\text{dB @ } 43000 \sim 47000\text{MHz}</math></td> </tr> </table>	$\geq 80\text{dB @ DC} \sim 24000\text{MHz}$	$\geq 35\text{dB @ } 41000 \sim 42300\text{MHz}$	$\geq 45\text{dB @ } 24000 \sim 25000\text{MHz}$	$\geq 80\text{dB @ } 42300 \sim 43000\text{MHz}$		$\geq 40\text{dB @ } 43000 \sim 47000\text{MHz}$
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● Impedance	50 Ohms						
● Power Handling	5W Max.						
● Connectors	2.92mm(K)-Female						
● Surface Finish	Painted Black						
● Temperature Range	-30°C ~ +70°C						
● Net weight	0.075KG						

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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| <ul style="list-style-type: none"> <li>● <b>Material</b></li> <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>● Other screw: Stainless Steel</li> <li>● Dimensions: 70*16*12mm</li> </ul> |
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