

- **Model:** HXLBQ-DTA1142
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 5725~5850MHz

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

Technical Data Sheet

Item	Parameters						
● Center Frequency(F0)	5787.5MHz						
● Pass Band Frequency	5725 ~ 5850MHz						
● Pass Band Insertion Loss	≤1.0dB						
● Pass Band Ripple	≤0.5dB						
● Pass Band Return Loss	≥23dB						
● Stop Band Rejection	<table border="0"> <tr> <td>≥80dB @ DC ~ 5485MHz</td> <td>≥30dB @ 5925 ~ 5945MHz</td> </tr> <tr> <td>≥50dB @ 5485 ~ 5600MHz</td> <td>≥40dB @ 5945 ~ 6090MHz</td> </tr> <tr> <td></td> <td>≥80dB @ 6090 ~ 14500MHz</td> </tr> </table>	≥80dB @ DC ~ 5485MHz	≥30dB @ 5925 ~ 5945MHz	≥50dB @ 5485 ~ 5600MHz	≥40dB @ 5945 ~ 6090MHz		≥80dB @ 6090 ~ 14500MHz
≥80dB @ DC ~ 5485MHz	≥30dB @ 5925 ~ 5945MHz						
≥50dB @ 5485 ~ 5600MHz	≥40dB @ 5945 ~ 6090MHz						
	≥80dB @ 6090 ~ 14500MHz						
● Impedance	50 Ohms						
● Power Handling	50W Max.						
● Connectors	SMA-Female						
● Surface Finish	Painted Black						
● Temperature Range	-30°C ~ +70°C						
● Dimensions	74*40*15mm						
● Net weight	0.09 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)

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|-------------------|----------------------------------|-------------------------------------|
| ● Material | ● Housing: 6061 Aluminum alloy | ● Resonant column: H59 Copper alloy |
| | ● Cover: LY12 Aluminum alloy | ● Connectors: Stainless Steel |
| | ● Tuning screw: H62 Copper alloy | ● Other screw: Stainless Steel |

