

- **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	≥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	
● 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
● Dimensions	74*40*15mm	
● Net weight	0.09 KG	

** 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)

