

- **Model:** HXLBQ-DTA1198
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 6500~6800MHz

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

Technical Data Sheet

Item	Parameters	
● Center Frequency(F0)	6650MHz	
● Pass Band Frequency	6500 ~ 6800MHz	
● Pass Band Insertion Loss	≤1.4dB	
● Pass Band Ripple	≤0.4dB	
● Pass Band Return Loss	≥23dB	
● Pass Band Group Delay Variation	≤2.8ns	
● Stop Band Rejection	≥80dB @ DC ~ 6270MHz ≥70dB @ 6270 ~ 6300MHz ≥20dB @ 6300 ~ 6400MHz	≥20dB @ 6900 ~ 7000MHz ≥70dB @ 7000 ~ 7030MHz ≥80dB @ 7030 ~ 15000MHz
● Impedance	50 Ohms	
● Power Handling	5.0W Max.	
● Connectors	SMA-Female	
● Surface Finish	Painted Black	
● Temperature Range	-30°C ~ +70°C	
● Dimensions	55*43*9mm	
● 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: ±0.3mm)

- **Material**
 - Housing: H62 Copper alloy
 - Cover: H62 Copper alloy
 - Tuning screw: H62 Copper alloy
 - Connectors: Stainless Steel
 - Other screw: Stainless Steel

