

- **Model: HXLBQ-DTA541**
- **Product Name: Interdigital Band Pass Filter**
- **Frequency: 1.4~2.5GHz**

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

Technical Data Sheet

Item	Parameters	
● Center Frequency(F0)	1.95GHz	
● Pass Band Frequency	1.4 ~ 2.5GHz	
● Pass Band Insertion Loss	≤1.5dB	
● Pass Band Ripple	≤0.8dB	
● Pass Band Return Loss	≥14dB	
● Stop Band Rejection	≥50dB @ DC ~ 1.15GHz ≥30dB @ 1.15 ~ 1.25GHz	≥30dB @ 2.65 ~ 2.75GHz ≥50dB @ 2.75 ~ 5.0GHz
● 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)

- **Material**
 - Housing: 6061 Aluminum alloy
 - Cover: LY12 Aluminum alloy
 - Tuning screw: H62 Copper alloy
 - Connectors: Stainless Steel
 - Working Environment: Indoor
 - Dimensions: 75*49*11mm

