

- **Model:** HXLBQ-DTA742
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 1950MHz

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

**Technical Data Sheet**

Item	Parameters
● Center Frequency(F0)	1950MHz
● 3.0dB Bandwidth	30MHz [Deviation: $\pm 3.0\text{MHz}$ @ Temperature Range: $+20^{\circ}\text{C} \sim +30^{\circ}\text{C}$ ]
● Insertion Loss @ F0	$\leq 1.2\text{dB}$ @ 1950MHz
● Return Loss	$\geq 23\text{dB}$ @ $1950\text{MHz} \pm 8.0\text{MHz}$
● Group Delay	$\leq 60\text{ns}$ @ 1950MHz
● Stop Band Rejection	$\geq 40\text{dB}$ @ $F0 \pm 35\text{MHz}$ (DC ~ 1915MHz , 1985MHz ~ 6000MHz)
● Impedance	50 Ohms
● Power Handling	20W Max.
● Connectors	SMA-Female
● Surface Finish	Painted Black
● Temperature Range	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
● Net weight	TBD

● **Outline Drawing:** (Dimensions Unit: mm, Dimensions Tolerance:  $\pm 0.5\text{mm}$ )

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|-------------------|----------------------------------|-------------------------------|
| ◆ <b>Material</b> | ● Housing: 6061 Aluminum alloy   | ● Connectors: Stainless Steel |
|                   | ● Cover: LY12 Aluminum alloy     | ● Working Environment: Indoor |
|                   | ● Tuning screw: H62 Copper alloy | ● Dimensions: 100*68*33mm     |

