

- **Model: HXLBQ-DTA816X**
- **Product Name: Cavity Band Pass Filter**
- **Frequency: 2700~3000MHz**

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

Technical Data Sheet

Item	Parameters
● Center Frequency(F0)	2850MHz
● 3.0dB Bandwidth	300MHz (2700 ~ 3000MHz) [Deviation: ±10MHz @ Temperature Range: +20°C ~ +30°C]
● Pass Band Bandwidth	220MHz (2740 ~ 2960MHz)
● Pass Band Insertion Loss	≤1.5dB @ 2740 ~ 2960MHz
● Pass Band Ripple	≤0.8dB @ 2740 ~ 2960MHz
● Pass Band Return Loss	≥23dB @ 2740 ~ 2960MHz
● Stop Band Rejection	≥55dB @ DC ~ 2560MHz ≥65dB @ 3140 ~ 9500MHz
● Impedance	50 Ohms
● Power Handling	10W Max.
● Connectors	SMA-Female
● Surface Finish	Painted Black
● Temperature Range	-30°C ~ +70°C
● Net weight	0.096 KG

● **Outline Drawing:** (Dimensions Unit: mm, Dimensions Tolerance: ±0.5mm)

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|-------------------|----------------------------------|-------------------------------|
| ◆ Material | ● Housing: 6061 Aluminum alloy | ● Connectors: Stainless Steel |
| | ● Cover: LY12 Aluminum alloy | ● Working Environment: Indoor |
| | ● Tuning screw: H62 Copper alloy | ● Dimensions: 110*22*19mm |

