

- **Product Name:** LC Band Pass Filter
- **Model:** HXLBQ-DTA684LC
- **Frequency:** 100~110MHz

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

| Technical Data Sheet       |                                                            |                                                             |
|----------------------------|------------------------------------------------------------|-------------------------------------------------------------|
| Item                       | Parameters                                                 |                                                             |
| ● Center Frequency         | 105MHz                                                     |                                                             |
| ● Pass Band Frequency      | 100 ~ 110MHz **                                            |                                                             |
| ● Pass Band Insertion Loss | ≤1.8dB                                                     |                                                             |
| ● Pass Band Ripple         | ≤0.3dB                                                     |                                                             |
| ● Pass Band Return Loss    | ≥15dB                                                      |                                                             |
| ● Stop Band Rejection      | ≥40dB @ DC ~ 80MHz                                         | ≥40dB @ 137 ~ 500MHz                                        |
| ● Impedance                | 50 Ohms                                                    |                                                             |
| ● Power Handling           | 1.0W Max.                                                  |                                                             |
| ● Connectors               | SMA-Female                                                 |                                                             |
| ● Surface Finish           | Painted Black                                              |                                                             |
| ● Temperature Range        | -30°C ~ +70°C                                              |                                                             |
| ● Material                 | Housing: 6061 Aluminum alloy<br>Cover: LY12 Aluminum alloy | Connectors: Stainless Steel<br>Other screw: Stainless Steel |
| ● Dimensions               | 30*18*13mm                                                 |                                                             |
| ● Net weight               | 0.02 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)

