

- **Model: HXLBQ-DTA845**
- **Product Name: Cavity Band Pass Filter**
- **Frequency: 8200~9300MHz**

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

| Technical Data Sheet       |                                |                              |
|----------------------------|--------------------------------|------------------------------|
| Item                       | Parameters                     |                              |
| ● Center Frequency(F0)     | 8750MHz                        |                              |
| ● Pass Band Frequency      | 8200 ~ 9300MHz **              |                              |
| ● Pass Band Insertion Loss | ≤0.9dB                         |                              |
| ● Pass Band Ripple         | ≤0.4dB                         |                              |
| ● Pass Band Return Loss    | ≥23dB                          |                              |
| ● Stop Band Rejection      | ≥80dB @ DC ~ 7350MHz           | ≥50dB @ 9700 ~ 10000MHz      |
|                            | ≥70dB @ 7350 ~ 7500MHz         | ≥70dB @ 10000 ~ 10150MHz     |
|                            | ≥50dB @ 7500 ~ 7800MHz         | ≥80dB @ 10150 ~ 25000MHz     |
| ● Impedance                | 50 Ohms                        |                              |
| ● Power                    | 10W Max.                       |                              |
| ● Connectors               | SMA-Female                     |                              |
| ● Surface Finish           | Painted Black                  |                              |
| ● Temperature Range        | -30°C ~ +70°C                  |                              |
| ● Material                 | Housing: 6061 Aluminum alloy   | Connectors: Stainless Steel  |
|                            | Cover: LY12 Aluminum alloy     | Other screw: Stainless Steel |
|                            | Tuning screw: H62 Copper alloy |                              |
| ● Dimensions               | 80*16*9mm                      |                              |
| ● Net weight               | 0.075 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)

