

- **Model:** HXLBQ-DTA1225
- **Product Name:** Cavity Band Pass Filter
- **Frequency:** 5250~5750MHz

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

### Technical Data Sheet

| Item                       | Parameters             |                          |
|----------------------------|------------------------|--------------------------|
| ● Center Frequency(F0)     | 5500MHz                |                          |
| ● Pass Band Frequency      | 5250 ~ 5750MHz         |                          |
| ● Pass Band Insertion Loss | ≤1.0dB                 |                          |
| ● Pass Band Ripple         | ≤0.5dB                 |                          |
| ● Pass Band Return Loss    | ≥23dB                  |                          |
| ● Stop Band Rejection      | ≥80dB @ DC ~ 4750MHz   | ≥50dB @ 6000 ~ 6700MHz   |
|                            | ≥50dB @ 4750 ~ 5000MHz | ≥100dB @ 6700 ~ 12000MHz |
|                            |                        | ≥50dB @ 12000 ~ 15000MHz |
| ● Impedance                | 50 Ohms                |                          |
| ● Power Handling           | 20W Max.               |                          |
| ● Connectors               | SMA-Female             |                          |
| ● Surface Finish           | Painted Black          |                          |
| ● Temperature Range        | -30°C ~ +70°C          |                          |
| ● Dimensions               | 80*17*13mm             |                          |
| ● 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: ±0.3mm)

- **Material**
  - Housing: H62 Copper alloy
  - Cover: H62 Copper alloy
  - Tuning screw: H62 Copper alloy
  - Connectors: Stainless Steel
  - Other screw: Stainless Steel

