

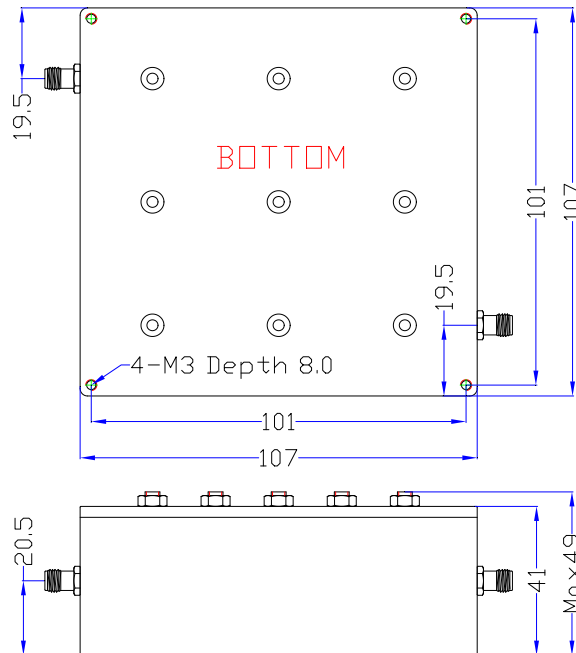
# HXLBQ-DTA1053

## Cavity Band Pass Filter

### Technical Data Sheet

| S/N | Item                     | Parameters   |  |
|-----|--------------------------|--|--|
| 1   | Center Frequency(F0)     | 725.5MHz   |  |
| 2   | Pass Band Frequency      | 703 ~ 748MHz **  |  |
| 3   | Pass Band Insertion Loss | ≤2.0dB   |  |
| 4   | Pass Band Ripple         | ≤1.0dB   |  |
| 5   | Pass Band Return Loss    | ≥20dB  |  |
| 6   | Stop Band Rejection      | ≥80dB @ DC ~ 673MHz  | ≥80dB @ 778 ~ 1500MHz  |
| 7   | Impedance                | 50 Ohms  |  |
| 8   | Power Handling           | 20W Max.   |  |
| 9   | Connectors               | SMA-Female   |  |
| 10  | Surface Finish           | Painted Black  |  |
| 11  | Temperature Range        | -20°C ~ +60°C  |  |
| 12  | Material                 | Housing: 6061 Aluminum alloy<br>Cover: LY12 Aluminum alloy<br>Tuning screw: H62 Copper alloy | Resonant column: H59 Copper alloy<br>Connectors: Stainless Steel<br>Other screw: Stainless Steel |
| 13  | Dimensions               | 107*107*41mm   |  |
| 14  | Net weight               | 0.61 KG  |  |

Outline Drawing: (Dimensions Unit: mm, Dimensions Tolerance: ±0.4mm)



\*\* The actual design bandwidth will be greater than the Pass Band Frequency, and there is no bandwidth limit.