

# HXLBQ-DTA287

## Cavity Band Pass Filter

### Technical Data Sheet

| S/N | Item                     | Parameters                                                                                                                                                                                                              |
|-----|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Center Frequency(F0)     | 1300MHz                                                                                                                                                                                                                 |
| 2   | Pass Band Bandwidth      | ±40MHz (1260 ~ 1340MHz)                                                                                                                                                                                                 |
| 3   | Pass Band Insertion Loss | ≤2.0dB                                                                                                                                                                                                                  |
| 4   | Pass Band Ripple         | ≤1.0dB                                                                                                                                                                                                                  |
| 5   | Pass Band VSWR           | ≤1.3:1                                                                                                                                                                                                                  |
| 6   | Stop Band Rejection      | ≥30dB @ DC ~ 1245MHz      ≥30dB @ 1355 ~ 3500MHz                                                                                                                                                                        |
| 7   | Impedance                | 50 Ohms                                                                                                                                                                                                                 |
| 8   | Power                    | 20W Max.                                                                                                                                                                                                                |
| 9   | Connectors               | SMA-Female                                                                                                                                                                                                              |
| 10  | Surface Finish           | Painted Black                                                                                                                                                                                                           |
| 11  | Temperature Range        | -30°C ~ +70°C                                                                                                                                                                                                           |
| 12  | Material                 | Housing: 6061 Aluminum alloy      Resonant column: H59 Copper alloy<br>Cover: LY12 Aluminum alloy      Connectors: H59 Copper, Plated ternary alloy<br>Tuning screw: H62 Copper alloy      Other screw: Stainless Steel |
| 13  | Dimensions               | 255*43*25mm                                                                                                                                                                                                             |
| 14  | Net weight               | TBD                                                                                                                                                                                                                     |

Outline Drawing: (Dimensions Unit: mm, Dimensions Tolerance: ±0.7mm)

