

## Specification for antenna 124.0000.363

**Part name:** External antenna

**Part No:** 124.0000363

**Data:** 2020.08.18

### 1.Part Appearance



### 2. Part Specification

|                            |                                       |
|----------------------------|---------------------------------------|
| A. Electrical Properties   |                                       |
| Frequency Range            | 2.4-2.5G                              |
| Impedance                  | 50Ω Nominal                           |
| VSWR                       | 2.0 Max                               |
| Gain (Peak)                | 5dBi                                  |
| Out of roundness           | 3.0dB (max)                           |
| Radiation directional type | Omni                                  |
| Polarization               | Linear vertical                       |
| B. Physical Properties     |                                       |
| Connector type             | SMA                                   |
| Cable                      | RG-178 cable                          |
| Antenna Radiator           | PCB FR-4                              |
| Antenna Plastic            | Body:ABS<br>Hinge:PC<br>Holder:PC+PBT |
| C. Environmental           |                                       |
| Storage Temperature        | -40℃-+85℃                             |
| Operating Temperature      | -10℃-+60℃                             |
| Storage Humidity           | 5%-95%                                |
| Working Humidity           | 5%-95%                                |
| Length                     | 196±3mm                               |

### 3. Test Result

| Frequency      | 2.4GHz | 2.41GHz | 2.42GHz | 2.43GHz | 2.44GHz | 2.45GHz | 2.46GHz | 2.47GHz | 2.48GHz | 2.49GHz | 2.5GHz |
|----------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| Efficiency (%) | 75.86  | 78.89   | 80.17   | 82.22   | 78.89   | 77.09   | 78.16   | 76.21   | 72.28   | 72.44   | 72.78  |
| Gain (dBi)     | 5      | 4.79    | 4.22    | 4.83    | 4.73    | 4.23    | 4.25    | 4.76    | 4.35    | 4.25    | 4.12   |

### 4. Radiation Pattern

