|  |  |  |  |
| --- | --- | --- | --- |
| Working Voltage | | DC 3.5V – 5 V | |
| PCB size | | Pcb size：50\*50mm, Ceramic antenna size：40\*40mm Overall height ：8.5mm | |
| Standby current | | <80mA (EN pin high level) | |
| Sleeping current | | <100uA (EN pin low level) | |
| Communication interface | | TTL UART interface | |
| Communication baud rate | | 115200 bps (default and recommend）  38400bps | |
| Heat-dissipating method | | Air cooling (no need for out install cooling fin） | |
| Storage temp. | | - 20 °C - + 85 °C | |
| Working humidity | | < 95% (+ 25 °C) | |
| Protocol | | EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C | |
| Frequency | | 840-960MHZ | |
| Working area support | | US, Canada and other regions following U.S. FCC  Europe and other regions following ETSI EN 302 208  Mainland China; Japan; Korea; Malaysia; Taiwan | |
| Output power | | 18-26 dBm | |
| Read/write range | | Read: 100-150cm; write: 10-30cm(adjusted) | |
| Output power accuracy | | +/- 1dB | |
| Output power flatness | | +/- 0.2dB | |
| Receive sensitivity | | < -70dBm | |
| Store tag peak speed | | > 50pcs/sec | |
| Tags storage capacity | | 200pcs tags @ 96-bit EPC | |
| Tags RSSI | | support | |
| Operation current | | 180mA @ 3.5V (26 dBm Output，25°C) 。  110mA @ 3.5V (18 dBm Output，25°C) 。 | |
| Operating time | | <100mS。 | |
| Operation temp. | | - 20 °C - + 70 °C | |

**Specifications**

Pin Definitions of UHF Lite Modul

|  |  |
| --- | --- |
| PIN | definition |
| 1 | GND |
| 2 | EN (RF module enable power: HIGH(ACTIVE), LOW (POWER DOWN)) |
| 3 | RXD (Data input, TTL level) |
| 4 | TXD (Data output, TTL level) |
| 5 | VCC DC3.5V-5V |

