|  |  |
| --- | --- |
| 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) |
| 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 |
| 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 |
| 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） |

**Specifications**

|  |  |
| --- | --- |
| 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 |

Pin Definitions of UHF Lite Module