Overview of the integrated antenna characteristics

Excellent read-tag performance	 Label identification is sensitive and stable. The stable identification distance is 1.5-2 m (9662 white card). Multi-label identification performance:> 50 labels. Label identification speed:> 50 pieces / s.
Solve the problem of fever thoroughly	 No external heat sink is required. Long-term continuous full load work at room temperature without heating. Continuous current is <200 mA @ 3.5 V (26 dBm Output). Peak pulse current was <260 mA.
Excellent stability	 24 hours x 365 days of work does not crash. Performance by the shell, electromagnetic environment and other external impact is small. Wide temperature design, the temperature drift coefficient is very low.
Excellent consistency	 A model of consistent design. All the highest grade of components are selected to ensure the stability and consistency of all parameters.
Simple and efficient hardware and software interface	The peripheral circuit is extremely simple, single power supply, without external tantalum capacitor. (See Figure 1: Reference design circuit).

method of erection

• Support for 5pin WAFER installation.

Table 2: Electrical parameters

Overall si	ze	40x40x8.5mm		
working vol	tage	DC 3.5V – 5 V		
Standby state o	current	<80 mA (EN foot high level)		
Sleep state cu	urrent	<100 uA (EN pin low level)		
working cur	rent	180mA @ 3.5V (26 dBm Output, 25°C).		
		110mA @ 3.5V (18 dBm Output , 25° C).		
start tim	ie	<100mS。		
working temper	rature	- 20 °C - + 70 °C		
Storage temper	rature	- 20 °C - + 85 °C	- 20 °C - + 85 °C	
Working humi	dity	<95% (+25 °C)		
Air interface p	rotocol	EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C		
Scope of working	spectrum	840-960MHZ		
		US, Canada and other regions following U.S.FCC		
		Europe and other regions following ETSI EN 302 208		
		Mainland China		
Work area su	pport	Japan		
		Korea		
		Malaysia		
		Taiwan		
Output power range		18-26 dBm		
Output power accuracy		+/- 1dB		
Output power flatness		+/- 0.2dB		
receiving sensitivity		<-70dBm		
Stock the label peak speed		With> 50 sheets / second		
Label cache	area	200-tags @ 96 bit EPC		
label RSS	I	support		
		TTL Uart Interface		
communication in	nterface			
Communication Porter rate		115200 bps (default and recommended)		
		38400bps		
Heat dissipation	n method	Air cooling (external r	adiator is not required)	
PIN	definition		explain	
1	GND		the earth	

2	EN	High-level enabling module (> 1.5V)
3	RXD	TTL level (3.3V)
4	TXD	TTL level (3.3V)
5	VCC	Power supply (3-5V)

PIN	definition	explain
1	GND	the earth
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