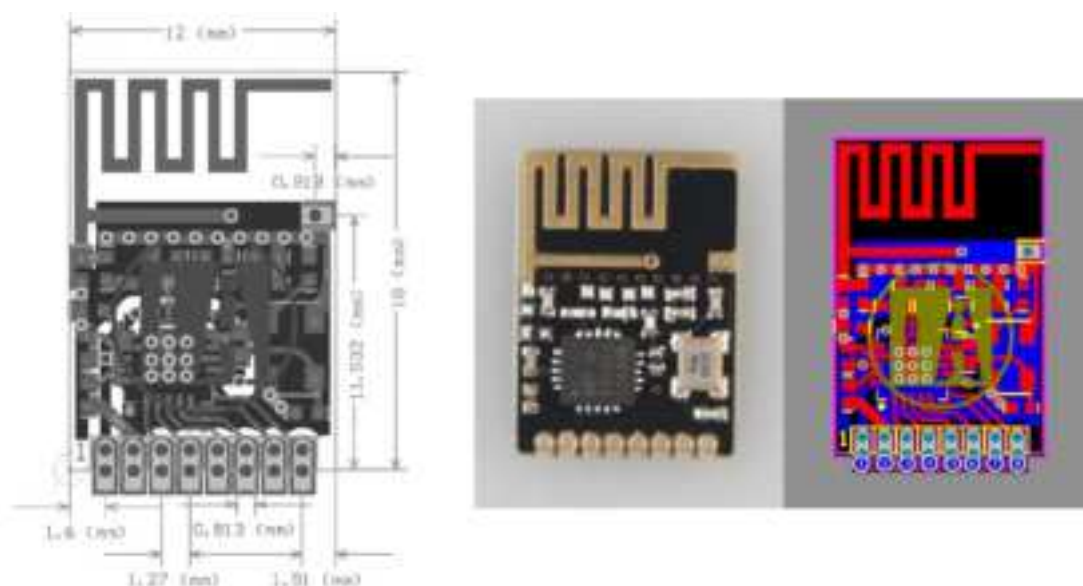


Module introduce

NF-03 is a 5MW wireless transceiver module, embedded with SI24RI RF chip;SMD package, small size;Air speed up to 2Mbps, SPI interface, high stability, high cost performance.

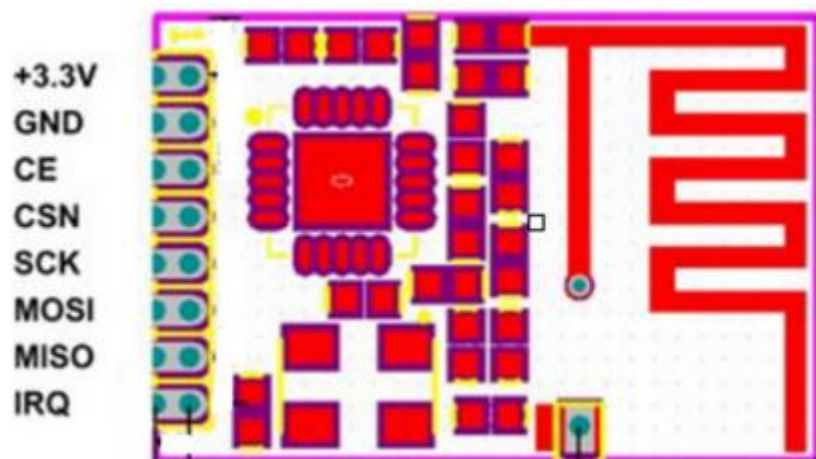


Characteristic parameter

Number	Parameter Name	Parameter values	Notes
01	Chip type	Si24R1	
02	Module size	18.0*12.0	Unit: millimeter
03	Modulation Mode	GFSK	
04	Package	SMD-8	
05	Interface mode	4 wire SPI	max speed 10M
06	Max sand power	7 ± 1 dBm	

07	RSSI	support	Used to detect the strength of received signal
08	Operating frequency	2.4GHz~2.525GHz	Adjustable 1MHz step
09	Voltage Range	1.9~3.6V	Too high voltage can damage the module
10	Data rate	2Mbps/1Mbps/250Kbps	
11	Channel	126RF Channel	Each signal is 1MHz apart
12	Communication distance	240m	Clear and unobstructed, maximum transmitting power
13	Receiving sensitivity	-96dBm@250Kbps	
14	Antenna Interface	PCB Layout Antenna	50 ohm characteristic impedance
15	Send data length	1~32Byte	3 Level FIFO
16	Receive data length	1~32Byte	3 Level FIFO
17	Working Temperature	-20~+85℃	Too high temperature can damage the module
18	Storage Temperature	-20~+90℃	Too high temperature can damage the module
19	Turn off current	0.7uA	
20	Standby current	15uA	
21	Receive current	15mA(2Mbps)	
22	Send current	25mA(2Mbps)	

Pin name	Input/Output	definition
VCC	-	power supply 1.9~3.6V
GND	-	ground
CSN	input	Selecting pins for the module
CE	input	Module enables pin
MOSI	input	Module SPI data input pin
SCK	input	Module SPI clock pin
IRQ	output	Module interrupt signal output
MISO	output	Module SPI data output pin



Host manufacturer is responsible for compliance of the host system with module installed with all other applicable requirements for the system such as Part 15 B. Host manufacturer is strongly recommended to confirm compliance with FCC requirements for the transmitter when the module is installed in the host.

The proposed FCC label format is to be placed on the module. If it is not visible when the module is installed into the system, "Contains FCC ID: 2ARK8-NF03" shall be placed on the outside of final host system