

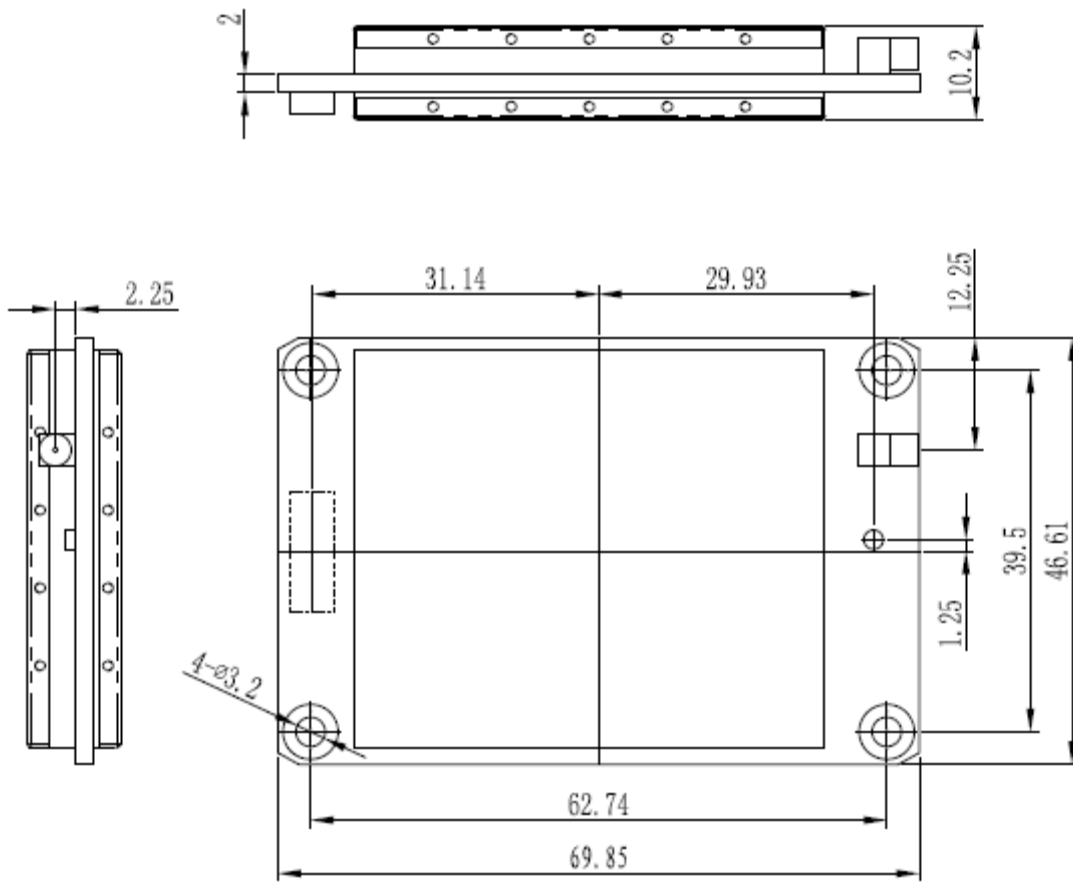
Performance:

General Specification		
Item	Specification	
Frequency range	410~470MHz	
Operating mode	Half-duplex	
Channel spacing	25KHz	
Operation voltage	5V	
Power dissipation (Typical)	High power level	6.5W
	Low power level	3.5W
	Receiver	0.5W
Frequency stability	≤±1.0ppm	
Size	70×47×11mm	
Weight	88g	
Temperature(operation)	-40~+70℃	
Temperature(storage)	-40~+85℃	
Antenna port	IPEX or MMCX	
Antenna impedance	50ohm	
Data interface	30pin 0.5mm	
Transmitter		
Item	Specification	
RF output power	High level (2W)	33±1dBm@DC 5V
	Low level (0.5W)	27±1dBm@DC 5V
Power stability	±1dB	
Harmonics	>50dB	
Receiver		
Item	Specification	
Sensitivity	-115dBm@BER 10 ⁻³ , 9600bps	
Co-channel selectivity	>-12dB	
Adjacent channel selectivity	>50dB@25KHz	
Spurious	>55dB	
Modem		
Item	Specification	
Data Link rate	9600bps、19200bps	
Modulation type	GMSK	

Definition of data interface connector pin:

Pin No.	Function	Description
1	GND	Ground for signal and power
2	NC	No connection
3	RXD	Received data from external device
4	NC	No connection
5	GND	Ground for signal and power
6	NC	No connection
7	GND	Ground for signal and power
8	NC	No connection
9	GND	Ground for signal and power
10	NC	No connection
11	Config_EN	L: Command configuration mode; H: Data transmission mode
12	RSSI	Received signal strength indicator(0.5-2.5V)
13	T/RX SW	L: receiver model H: transmission model
14	TXD	Sent data to external device
15	NC	No connection
16	NC	No connection
17	NC	No connection
18	VCC	Regulated +5V DC
19	GND	Ground for signal and power
20	GND	Ground for signal and power
21	GND	Ground for signal and power
22	GND	Ground for signal and power
23	VCC	Regulated +5V DC
24	VCC	Regulated +5V DC
25	VCC	Regulated +5V DC
26	VCC	Regulated +5V DC
27	VCC	Regulated +5V DC
28	VCC	Regulated +5V DC
29	Shut Down	standby enable signal
30	GND	Ground for signal and power

Size:



Pictures for reference only