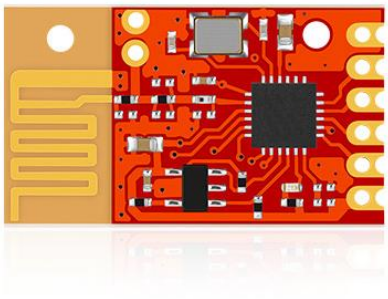
Wireless module Ling-TR2 specification



1、Introduction

Ling-TR2 adopts 2.4G SOC technology, which is development-free; module communication is about 100 m, serial transparent transmission and high integration of the serial communication can complete the development of remote control products and data transmission products.

2 、Characteristics

- semi-duplex communication
- 2.4GHz ISM band
- power supply voltage 2.8-3.6V
- reception sensitivity -95dBm
- emission operating current 40mA
- receives an operating current 27mA
- sleep current 9.5uA
- standard TTL level UART serial port

● frequency can be set, with multiple modules without interference

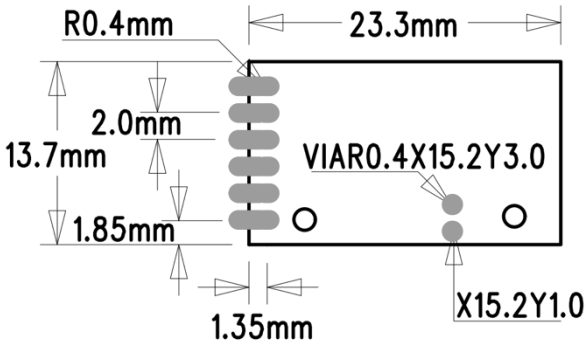
● sending and receiving switching is automatically completed,

● communication rate is 0.6kbps-38.4kbps

3、Pin definition

pin	Lead the foot name	Feet function	description
1	VCC	+	2.8~3.6V, Typical 3.3V
2	RXD	Module data input (TTL level)	Serial port communication data reception
3	TXD	Module data output (TTL level)	Serial port communication data transmission
4	SET	Set position	Configuration parameters enable (low level is configuration mode, suspended or high level is communication mode)
5	CS	dormancy	Pin working at low level, suspended or dormant at high level
6	GND	-	-
7	ANT	External antenna interface	When connecting with the external antenna, the resistance at the PCB antenna connection should be removed.

4、Product size



FCC statements:
This device complies with part 15 of the FCC rules. Operation is subject to thefollowing two conditions:
(1) this device may not cause harmful interference, and
(2)this device must accept any interference received, including interference that maycause undesired operation.
NOTE: The manufacturer is not responsible for any radio or TV interference causedby unauthorized modifications or changes to this equipment. Such modifications or changes could void theuser’ s authority to operate the equipment.
The device has been evaluated to meet general RF exposure requirement,Thedevice can be used in portable exposure condition without restriction. Federal Communication Commission (FCC) Radiation Exposure Statement Power is so low that no RF exposure calculation is needed.
This device is intended only for OEM integrators under the following conditions:

1.The antenna must be installed such that 20 cm is maintained between the antenna and users. 2. The transmitter module may not be co-located with any other transmitter or antenna. As long as the two conditions above are met, additional transmitter testing will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required for the installed module.
Important Note:In the event that these conditions cannot be met (for example certain laptop configurations or co-location with another transmitter), then the Federal Communications Commission of the U.S. Government (FCC) and the Canadian Government authorizations are no longer considered valid and the FCC ID cannot be used on the final product. In these circumstances, the OEM integrator shall be responsible for re-evaluating the end-product (including the transmitter) and obtaining a separate FCC authorization in the U.S. and candada.
OEM Integrators – End Product Labeling Considerations: This transmitter module is authorized only for use in device where the antenna may be installed such that 20 cm may be maintained between the antenna and users. The final end product must be labeled in a visible area with the following:″ Contains, FCCID: 2A3VI-LING-TR2″. The grantee’ s FCC ID can be used only when all FCC compliance requirements are met.
OEM Integrators – End Product Manual Provided to the End User: The OEM integrator shall not provide information to the end user regarding how to install or remove this RF module in end product user manual. The end user manual must include all required regulatory information and warnings as outlined in this document.