



Contents [[hide](#)]

- [1 UNIPULSE 127E02A0 RF Module](#)
- [2 Specifications](#)
- [3 Description of Pin](#)
- [4 Location of Pin](#)
- [5 Module procedures](#)
- [6 Installation Notes](#)
- [7 FCC](#)
- [8 RF exposure statements](#)
- [9 Documents / Resources](#)
 - [9.1 References](#)

UNIPULSE

UNIPULSE 127E02A0 RF Module



Specifications

Reference

1. Product name: RF Module
2. Model name:127E02A0
3. Frequency range:920.7MHz 924.5MHz
4. RF Maximum output power: below 20mW
5. Antenna impedance: 50Ω
6. Modulation method: FSK
7. Rated power supply:DC3V±10%
8. Module size:35.3×22.7mm
9. Operating temperature range: -10°C 50°C

Trade Mark:

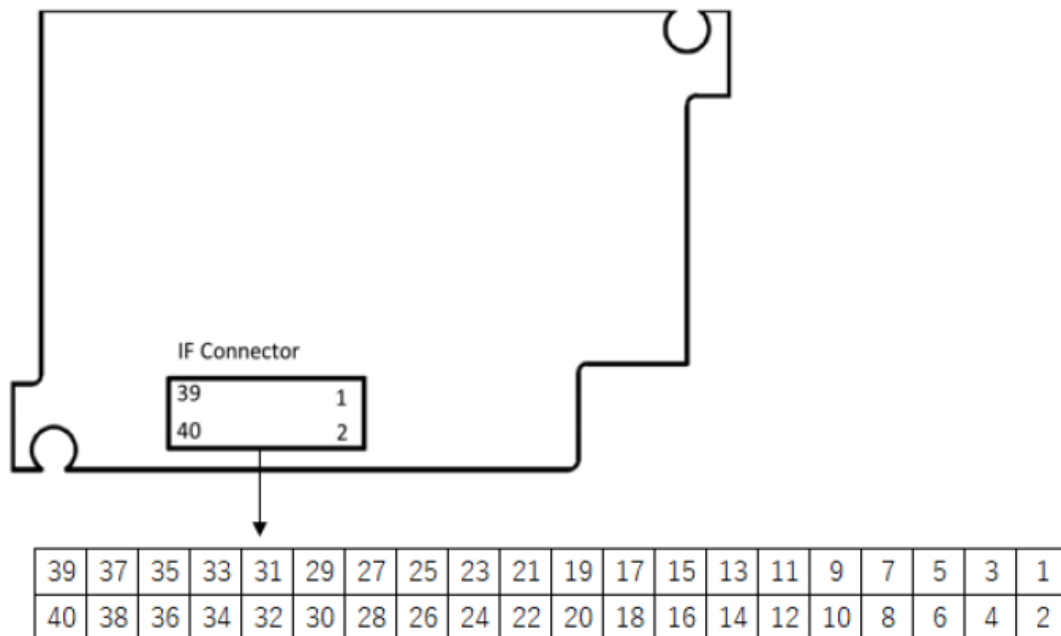
Description of Pin

| Pin | Signal | Pin | Signal |
|-----|--------|-----|--------|
| 1 | IO1 | 2 | D_GND |

| | | | |
|----|------|----|-------|
| 3 | IO2 | 4 | D_GND |
| 5 | IO3 | 6 | D_GND |
| 7 | IO4 | 8 | D_GND |
| 9 | IO5 | 10 | D_GND |
| 11 | IO6 | 12 | D_GND |
| 13 | IO7 | 14 | D_GND |
| 15 | IO8 | 16 | D_GND |
| 17 | IO9 | 18 | D_GND |
| 19 | IO10 | 20 | D_GND |
| 21 | IO11 | 22 | VCC |
| 23 | IO12 | 24 | VCC |
| 25 | IO13 | 26 | VCC |
| 27 | IO14 | 28 | VCC |
| 29 | IO15 | 30 | VCC |
| 31 | IO16 | 32 | VCC |
| 33 | IO17 | 34 | VCC |
| 35 | IO18 | 36 | VCC |

| | | | |
|----|------|----|-----|
| 37 | IO19 | 38 | VCC |
| 39 | IO20 | 40 | VCC |

Location of Pin



Module procedures

The module has RF shielding. which belong to signal module Standard requires:
Clear and specific instructions describing the conditions, limitations and procedures for third parties to use and/or integrate the module into a host device (see Comprehensive integration instructions below).

Installation Notes

1. 127E02A0 Module Power supply range is DC 2.7V~3.3V, when you use 127E02A0 Module design product, the power supply cannot exceed this range.
2. Make sure the module pins correctly installed.
3. Make sure that the module does not allow users to replace or demolition
4. Any modifications to the module model 127E02A0 may invalidate regulatory approvals or may necessitate notifications to the relevant regulatory authorities.
5. OEM must inform UNIPULSE Corporation Compliance of any changes which may require the Class I or Class II permissive changes for the FCC.

Antennas:

The module has Helical antenna and Monopole antenna.

Information on test modes and additional testing requirements:

When testing host product, the host manufacture should follow FCC KDB Publication

996369 D04 Module Integration Guide for testing the host products. The host manufacturer may operate their product during the measurements. In setting up the configurations, if the pairing and call box options for testing does not work, then the host product manufacturer should coordinate with the module manufacturer for access to test mode software.

Additional testing, Part 15 Subpart B disclaimer:

The modular transmitter is only FCC authorized for the specific rule parts (FCC Part 15.247) list on the grant, and that the host product manufacturer is responsible for compliance to any other FCC rules that apply to the host not covered by the modular transmitter grant of certification. The final host product still requires Part 15 Subpart B compliance testing with the modular transmitter installed when contains digital circuitry.

Information on test modes and additional testing requirements:

When testing host product, the host manufacture should follow FCC KDB Publication 996369 D04 Module Integration Guide for testing the host products. The host manufacturer may operate their product during the measurements.

FCC

The 127E02A0 module is designed to comply with the FCC statement. FCC ID is F30-127E02A0 The host system using 127E02A0 should have label indicated it contain modular's FCC ID : F30-127E02A0.

This radio module must not be installed to co-locate and operating simultaneously with other radios in host system, additional testing and equipment authorization should be required to operating simultaneously with other radio.

List of applicable FCC rules:

The module complies with FCC Part 15.247.

Summarize the specific operational use conditions:

The module has been certified for Fix, Mobile applications.

This transmitter must not be co-located or operating in conjunction with any other

antenna or transmitter.

Operation is subject to the following two conditions


- 1. This device may not cause harmful interference, and
- 2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

RF exposure statements

- 1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- 2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body or nearby persons.

Documents / Resources



[UNIPULSE 127E02A0 RF Module \[pdf\] User Manual](#)
127E02A0 RF Module, 127E02A0, RF Module, Module

References

- [User Manual](#)

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