

# CC113LRGPT

ACTIVE


Enter quantity

Add to cart


## Value line Sub-1 GHz wireless receiver

Inventory: 500

US ECCN: 5A991G


DATA SHEET  Download the data sheet for the CC113L | [View all additional information for the CC113L](#)

### Quality information

RoHS	Yes
REACH	Yes
Lead finish / Ball material	NIPDAU, NIPDAUAG
MSL rating / Peak reflow	Level-3-260C-168 HR
Quality, reliability & packaging information 	<a href="#">View or download</a>

### Packaging information

Package   Pins	Package qty   Carrier:	Operating temperature range (°C)
VQFN (RGP)   20	250   SMALL T&R	-40 to 85

 [View TI packaging information](#)

### Features for the CC113L

- RF Performance**
  - Receive Sensitivity Down to -116 dBm at 0.6 kbps
  - Programmable Data Rate from 0.6 to 600 kbps
  - Frequency Bands: 300–348 MHz, 387–464 MHz, and 779–928 MHz
  - 2-FSK, 4-FSK, GFSK, MSK, and OOK Supported
- Digital Features**
  - Flexible Support for Packet Oriented Systems
  - On-chip Support for Sync Word Detection, Flexible Packet Length, and Automatic CRC Calculation
- Low-Power Features**
  - 200-nA Sleep Mode Current Consumption
  - Fast Startup Time; 240 µs From Sleep to RX Mode
  - 64-Byte RX FIFO
- General**
  - Few External Components; Completely On-chip Frequency Synthesizer, No External Filters or RF Switch Needed
  - Green Package: RoHS Compliant and No Antimony or Bromine
  - Small Size (QLP 4- x 4-mm Package, 20 Pins)
  - Suited for Systems Targeting Compliance with EN 300 220 (Europe) and FCC CFR Part 15 (US)
  - Support for Asynchronous and Synchronous Serial Transmit Mode for Backward Compatibility with Existing Radio Communication Protocols


### Pricing

Qty	Price (EUR)
1-99	€0.977
100-249	€0.856
250-999	€0.600
1,000+	€0.484

### Additional package qty | carrier options

CC113LRGPR 

ACTIVE

Package qty   Carrier	3,000   LARGE T&R
Inventory	3,402
Qty   Price (EUR)	1ku   €0.420 

Custom reel may be available

Enter quantity

Add to cart

## Description for the CC113L

The CC113L is a cost optimized sub-1 GHz RF receiver for the 300–348 MHz, 387–464 MHz, and 779–928 MHz frequency bands. The circuit is based on the popular CC1101 RF transceiver, and RF performance

characteristics are identical. The CC115L transmitter together with the CC113L receiver enable a low-cost RF link.

The RF receiver is integrated with a highly configurable baseband demodulator. The modem supports various modulation formats and has a configurable data rate up to 600 kbps.

The CC113L provides extensive hardware support for packet handling, data buffering, and burst transmissions.

The main operating parameters and the 64-byte receive FIFO of CC113L can be controlled through a serial peripheral interface (SPI). In a typical system, the CC113L will be used together with a microcontroller and a few additional passive components.

---

[Company](#) | [Investor relations](#) | [Corporate citizenship](#) | [Careers](#) | [University](#) | [Contact us](#)



[myTI account](#) | [Website feedback](#)

Texas Instruments has been making progress possible for decades. We are a global semiconductor company that designs, manufactures, tests and sells analog and embedded processing chips. Our products help our customers efficiently manage power, accurately sense and transmit data and provide the core control or processing in their designs.

© Copyright 1995-2021 Texas Instruments Incorporated. All rights reserved.

[Trademarks](#) | [Privacy policy](#) | [Cookie policy](#) | [Terms of use](#) | [Terms of sale](#)