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CC1190RGVR

ACTIVE

NEW - Custom reel may be available [?](#)

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850 - 950MHz RF front end

Inventory: 29,031

US ECCN: 5A991G

DATA SHEET [Download the data sheet for the CC1190](#) | [View all additional information for the CC1190](#)

Pricing

Qty	Price
1-99	€
100-249	€
250-999	€
1,000+	€

Packaging information

Package Pins	VQFN (RGV) 16
Package qty Carrier:	2,500 LARGE T&R <i>Custom reel may be available</i>
Operating temperature range (°C)	-40 to 85

[View TI packaging information](#)

Quality information

RoHS	Yes
REACH	Yes
Lead finish / Ball material	NIPDAU, Call TI
MSL rating / Peak reflow	Level-3-260C-168 HR

Quality, reliability & packaging information [View or download information](#)

Additional package qty | carrier options [i](#)

CC1190RGVT ACTIVE

Package qty | Carrier
250 | SMALL T&R

Features for the CC1190

- Seamless Interface to Sub-1 GHz Low Power RF Devices from Texas Instruments
- Up to 27 dBm (0.5 W) Output Power
- 6 dB Typical Sensitivity Improvement with CC11xx and CC430
- Few External Components
 - Integrated PA
 - Integrated LNA
 - Integrated Switches

More CC1190 information

[Parametrics](#)

Inventory	20,520
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Qty	1ku
Price	€0.939
(EUR)	

- Integrated Matching Network
- Integrated Inductors
- ✓ Digital Control of LNA and PA Gain by HGM Pin
- 50-nA in Power Down (LNA_EN = PA_EN = 0)
- High Transmit Power Efficiency
 - PAE = 50% at 26 dBm Output Power
- Low Receive Current Consumption
 - 3 mA for High Gain Mode
 - 26 µA for Low Gain Mode
- 2.9 dB LNA Noise Figure, Including Switch and External Antenna Match
- RoHS Compliant 4-mm × 4-mm QFN-16 Package
- 2 V to 3.7 V Operation
- APPLICATIONS
 - 850 - 950 MHz ISM Bands Wireless Systems
 - Wireless Sensor Networks
 - Wireless Industrial Systems
 - IEEE 802.15.4 Systems
 - Wireless Consumer Systems
 - Wireless Metering (AMR/AMI) Systems
 - Smart Grid Wireless Networks

Technical documentation

Design & development

Support & training

Description for the CC1190

CC1190 is a cost-effective and high-performance RF Front End for low-power and low-voltage wireless applications at 850 - 950 MHz.

CC1190 is a range extender for the sub-1 GHz low-power RF transceivers, transmitters, and System-on-Chip devices from Texas Instruments.

CC1190 integrates a power amplifier (PA), a low-noise amplifier (LNA), switches, and RF matching for the design of a high-performance wireless systems.

CC1190 increases the link budget by providing a power amplifier for increased output power, and an LNA with low noise figure for improved receiver sensitivity.

CC1190 provides an efficient and easy-to-use range extender in a compact 4-mm × 4-mm QFN-16 package.

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