



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Semtech SX1308

Digital Baseband Chip for Long Range ISM Communication

The SX1308 digital baseband chip is a massive digital signal processing engine specifically designed to offer breakthrough gateway capabilities in the ISM bands worldwide. It integrates the LoRa concentrator IP.

Features

- Up to -139 dBm sensitivity with SX1257 or SX1255 Tx/Rx front-end
- 70 dB CW interferer rejection at 1 MHz offset
- Able to operate with negative SNR
 - CCR up to 9 dB
- Emulates 49x LoRa demodulators and 1x (G)FSK demodulator
- Dual digital Tx & Rx radio front-end interfaces
- 10 programmable parallel demodulation paths
- Dynamic data-rate adaptation (ADR)
- True antenna diversity or simultaneous dual-band operation

Applications

- Smart Metering
- Security Sensors Network
- Agricultural Monitoring
- Internet of Things (IoT)

Packaging

- Tape & Reel - 3,000 parts per reel

Order Codes

SX1308IMLTRT