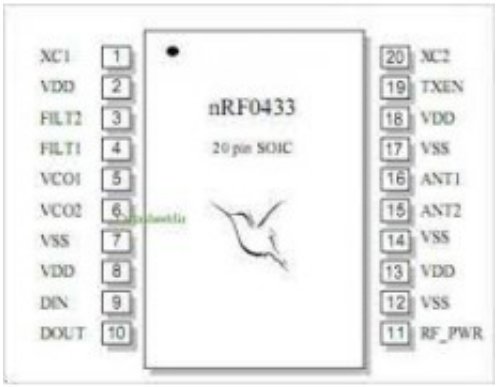
nRF0433 433MHz RF Transceiver



Produktkode: 599aa
Tilgjengelighet: 1
Weight: 0.00kg
Custom Field 5 (Location): S74b
Ring etter pris: 91166668

Kort beskrivelse
Single chip 433MHz RF Transceiver

Beskrivelse
PRODUCT SPECIFICATION
Nordic VLSI ASA - Vestre Rosten 81, N-7075 Tiller, Norway - Phone +4772898900 - Fax +4772898989
Revision: 3.2 Page 1 of 14 February 2000
Single chip 433MHz RF Transceiver
FEATURES
· True single chip FSK transceiver
· On chip UHF synthesiser, 4MHz
crystal reference
· 433MHz ISM band operation
· Few external components required
· Up to 10mW transmit power
· No setup/configuration
APPLICATIONS
· Alarm and Security Systems
· Home Automation
· Remote Control
· Surveillance
· Automotive
· Telemetry
· Toys

· Wireless Communication

GENERAL DESCRIPTION
nRF0433 is a true single chip UHF transceiver designed to operate in the 433MHz ISM (Industrial, Scientific and Medical) frequency band. It features Frequency Shift Keying (FSK) modulation and demodulation capability. nRF0433 operates at bit rates up to 9600 bit/s. Transmit power can be adjusted to a maximum of 10dBm. It features a differential antenna interface and an internal transmit/receive switch. nRF0433 operates from a single +5V DC supply.
As a primary application, nRF0433 is intended for design of UHF transceivers in compliance with the European Telecommunication Standard Institute (ETSI) specification EN 300 220-1 V1.2.1.

QUICK REFERENCE DATA
Parameter Value Unit
Frequency 433.936 MHz
Modulation FSK
Frequency deviation ±15 kHz
Max. RF output power @ 400W 10 dBm
Sensitivity @ 400W, BR=1200 bps, BER<10-3 -103 dBm
Maximum baud rate 9600 bit/s
Supply voltage DC 5 V
Receive supply current 23 mA
Transmit supply current @ -2 dBm RF output power 33 mA
Table 1. nRF0433 quick reference data.
ORDERING INFORMATION
Type number Description Version
nRF0433-IC 20 pin SOIC i-2
nRF0433-EVKIT Evaluation kit with nRF0433 IC on board e-2
Table 2. nRF0433 ordering information.
RF0433

datablad
http://rfelektronik.se/manuals/Datasheets/nRF0433.pdf