

Features

- Fully Integrated Low IF Receiver with High Sensitivity
- Supply-voltage Range 2.9 V to 3.6 V (Unregulated)
- Auxiliary-voltage Regulator on Chip (3.2 V to 4.6 V)
- Low Current Consumption
- Few Low Cost External Components
- No Mechanical Adjustment Required
- Fully Integrated GFSK-modulator for 288/576/1152 kBit/s
- TX Amplifier (+3 dBm)
- Integrated Ramp-signal Generator and Power Control for an Additional +28 dBm SiGe Power Amplifier T7026



Applications

- 2.4 GHz Digital Cordless Phones
- Game Controllers
- Wireless Head Set
- FCC Part 15 Compliant Radio Link

Electrostatic sensitive device.
Observe precautions for handling.



1. Description

The ATR2806 is a single chip RF-transceiver intended for applications in the 2.4 GHz ISM band. The QFN32 packaged IC is a complete transceiver including image rejection mixer, low IF filter, FM demodulator, RSSI, TX preamplifier, power-ramping generator for external power amplifier, integrated synthesizer, fully integrated VCO and TX filter. No mechanical adjustment is necessary in production.



Low IF WDCT 2.4 GHz Transceiver

ATR2806

Summary

Rev. 4550GS-DECT-10/05



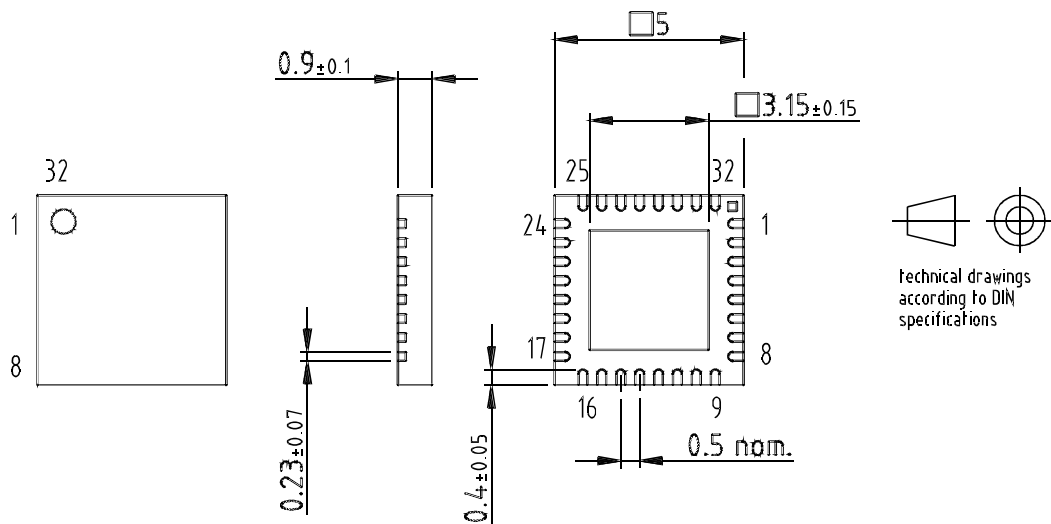
Note: This is a summary document. A complete document is available under NDA. For more information, please contact your local Atmel sales office.

2. Ordering Information

Extended Type Number	Package	Remarks
ATR2806-PNQG	QFN32 - 5x5	Taped and reeled, PB-free

3. Package Information

Package: QFN 32 - 5x5
 Exposed pad 3.15x3.15
 (acc. JEDEC OUTLINE No. MO-220)
 Dimensions in mm



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www.atmel.com/literature

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