
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.



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. 4550FS-DECT-11/04



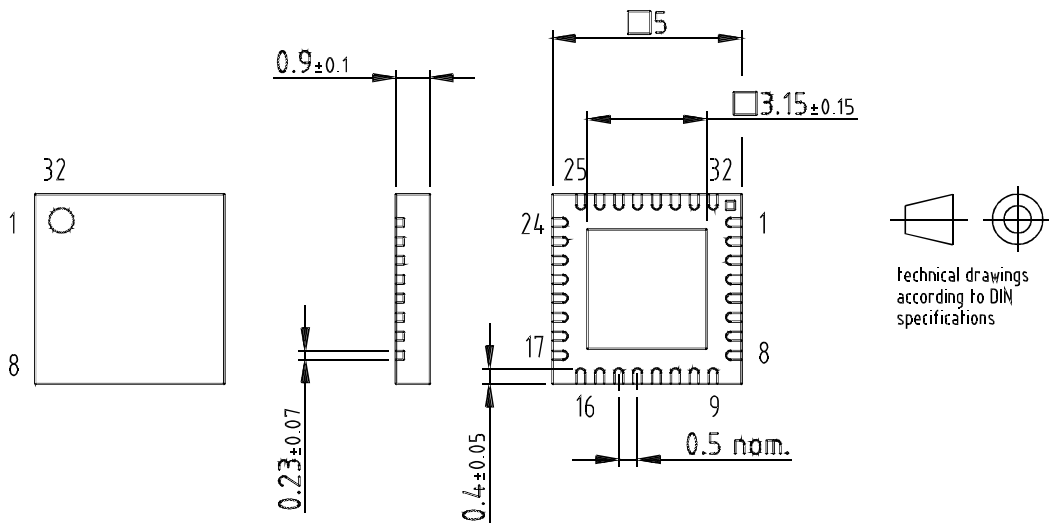
Note: This is a summary document. A complete document is available under NDA. For more information, please contact your local Atmel sales office.

Ordering Information

Extended Type Number	Package	Remarks
ATR2806	QFN32 - 5x5	Tray
ATR2806	QFN32 - 5x5	Taped and reeled

Package Information

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



technical drawings
 according to DIN
 specifications

Drawing-No.: 6.543-5087.01-4
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Atmel Corporation

2325 Orchard Parkway
San Jose, CA 95131, USA
Tel: 1(408) 441-0311
Fax: 1(408) 487-2600

Regional Headquarters

Europe

Atmel Sarl
Route des Arsenaux 41
Case Postale 80
CH-1705 Fribourg
Switzerland
Tel: (41) 26-426-5555
Fax: (41) 26-426-5500

Asia

Room 1219
Chinachem Golden Plaza
77 Mody Road Tsimshatsui
East Kowloon
Hong Kong
Tel: (852) 2721-9778
Fax: (852) 2722-1369

Japan

9F, Tonetsu Shinkawa Bldg.
1-24-8 Shinkawa
Chuo-ku, Tokyo 104-0033
Japan
Tel: (81) 3-3523-3551
Fax: (81) 3-3523-7581

Atmel Operations

Memory

2325 Orchard Parkway
San Jose, CA 95131, USA
Tel: 1(408) 441-0311
Fax: 1(408) 436-4314

Microcontrollers

2325 Orchard Parkway
San Jose, CA 95131, USA
Tel: 1(408) 441-0311
Fax: 1(408) 436-4314

La Chantrerie
BP 70602
44306 Nantes Cedex 3, France
Tel: (33) 2-40-18-18-18
Fax: (33) 2-40-18-19-60

ASIC/ASSP/Smart Cards

Zone Industrielle
13106 Rousset Cedex, France
Tel: (33) 4-42-53-60-00
Fax: (33) 4-42-53-60-01

1150 East Cheyenne Mtn. Blvd.
Colorado Springs, CO 80906, USA
Tel: 1(719) 576-3300
Fax: 1(719) 540-1759

Scottish Enterprise Technology Park
Maxwell Building
East Kilbride G75 0QR, Scotland
Tel: (44) 1355-803-000
Fax: (44) 1355-242-743

RF/Automotive

Theresienstrasse 2
Postfach 3535
74025 Heilbronn, Germany
Tel: (49) 71-31-67-0
Fax: (49) 71-31-67-2340

1150 East Cheyenne Mtn. Blvd.
Colorado Springs, CO 80906, USA
Tel: 1(719) 576-3300
Fax: 1(719) 540-1759

Biometrics/Imaging/Hi-Rel MPU/ High Speed Converters/RF Datacom

Avenue de Rochepleine
BP 123
38521 Saint-Egreve Cedex, France
Tel: (33) 4-76-58-30-00
Fax: (33) 4-76-58-34-80

Literature Requests

www.atmel.com/literature

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