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.



www.DataSheet4U.con

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

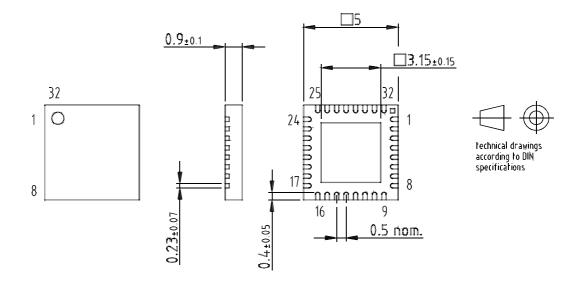
Extended Type Number	Package	Remarks
ATR2806-PNQG	QFN32 - 5x5	Taped and reeled, PB-free

3. Package Information

Package: QFN 32 – 5x5 Exposed pad 3.15x3.15

(acc. JEDEC OUTLINE No. MO-220)

Dimensions in mm



Drawing-No: 6.543-5087.01-4

Issue: 2, 24.01.03



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) 2721-9778

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

ASIC/ASSP/Smart Cards

Fax: (33) 2-40-18-19-60

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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