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Bluetooth Front-End Solution Satellite Tuner Wireless LAN FM Tuner	IEEE 802.11a/b/g IEEE 802.11b/g IEEE 802.11a IEEE 802.11n/ac	AL5230S
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Wireless LAN> IEEE 802.11a>**AL5230S**

AL5230S

5GHz RF Transceiver For 802.11a Applications

Product Overview

AL5230S is a highly integrated RF transceiver IC for 5 GHz 802.11a applications. It embeds all circuitry required to implement the RF subsystem, including the receiver with on-chip LNA, transmitter with on-chip PA, VCO, frequency synthesizer, channel filters and variable gain amplifiers in order to minimize the use of external components. A power-on calibration procedure is established to correct the TX DC offset and filters mismatch. AL5230S is housed in a 48-pin QFN package.

Key Features

- Fully integrated 5 GHz RF transceiver
- Integrated baseband filters with programmable bandwidth for Transmit and Receive
- Three-wire interface for transceiver control
- Integrate PA, RF power detector and temperature sensor
- Integrated PLL with on-chip loop filter
- Single-ended LNA input without the need of external balun
- On-chip DC offset correction
- RoHS Compliant
- QFN 7x7 48-pin Package

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