STRADA431

24-GHz Transceiver MMIC for Automotive Radar Sensor

Data brief



QFN40L 6x6mm²

Description

STRADA431 is a fully integrated 24-GHz transceiver for ISM automotive radar applications. It embeds 24-GHz frequency generation, a power amplifier, and three receivers with IF filters and variable gain functions. It also contains LDOs to supply the internal core and it is fully configurable via a simple SPI interface.

STRADA431 is fabricated in 0.13-um SiGe:C technology and assembled in QFN 40 leads, 6x6 mm2, 0.5 mm pitch package with wettable flanks feature

Features

- AEC Q100 qualified
- Single-channel transmitter with on-chip VCO
- Three RX channels (single-ended input)
- IF variable gain function
- IF bandpass filters
- Divider output at 750 MHz and 1.5 MHz/23 KHz
- On-chip power and temperature sensors
- 3.3V supply voltage
- 4-pin SPI for chip configuration
- QFN 6x6 mm^2 and 40 leads – wettable flanks

For further information contact your local STMicroelectronics sales office. www.st.com

1 Revision history

Table 1. Document revision history

Date	Revision	Changes
19-Feb-2016	1	Initial release.

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