

Broadband analog baseband

Part number

- ◆ RS5130

Overview

The RS5130 is a broadband analog baseband with integrated wide range variable gain amplifier and complex filter.

Features

- ◆ 70 dB variable gain amplifier
- ◆ 500 KHz to 400 MHz frequency range
- ◆ 3rd order complex filter
- ◆ Low noise
- ◆ Low current consumption

Deliverable

- ◆ Close source database (flat GDSII)
- ◆ Open source database
- ◆ Support

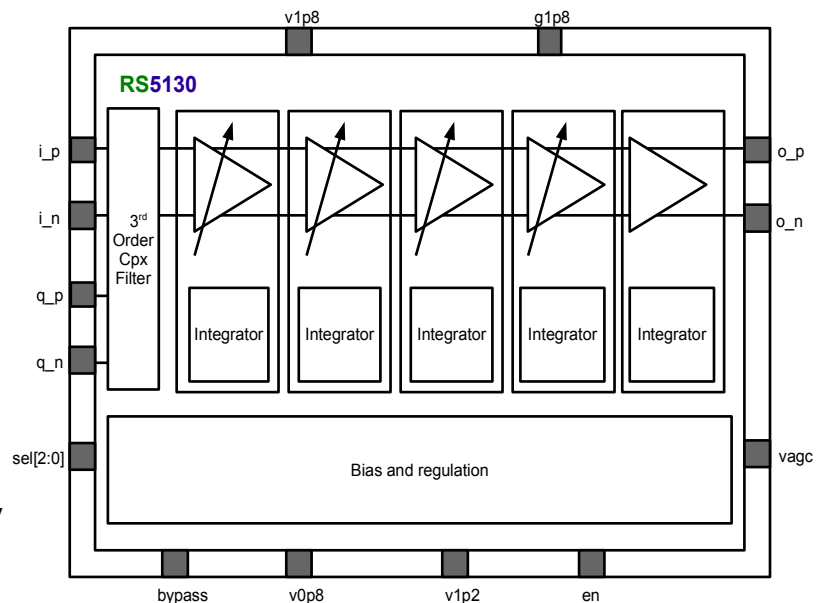
Applications

- ◆ Gain control stage
- ◆ Power control and AGC
- ◆ Analog baseband
- ◆ Wireless receivers

Technology node

- ◆ TowerJazz TS18

Block diagram



Main specifications

Parameters	Value
3dB bandwidth @ max. gain	1.5 MHz – 6.1 MHz 1.0 MHz – 12 MHz
Gain control range	0 dB to +65 dB
Area	1.15 mm x 0.36 mm
DC current	4 mA
Supply voltage	1.8 V

Contact

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