

Differential 6th order RC complex filter

Part number

- ◆ RS6120

Overview

The RS6120 is a digitally programmed 6th order RC complex filter. According to the application, the RS6110 can be configured as either real or complex filter.

Features

- ◆ Variable bandwidth (100 KHz to 20 MHz)
- ◆ 8-bit gain control resolution
- ◆ Variable Q
- ◆ 1.8V supply voltage

Deliverable

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

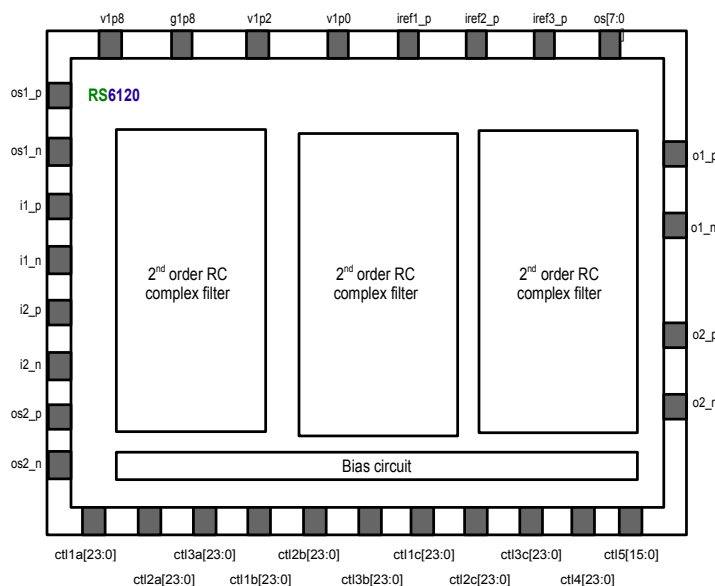
Applications

- ◆ Analog baseband receivers
- ◆ Analog baseband transmitters
- ◆ IF chains

Technology node

- ◆ TowerJazz SBC18

Block diagram



Main specifications

Parameters	Value
3dB cut-off frequency	100 KHz to 20 MHz
Gain control range	> 80dB
Area	1.36 mm x 0.73 mm
DC current	5mA
Supply voltage	1.8V

Contact

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