SiVi-FPLL2P4G130

GSMC 130nm (1P6M)

MAIN FEATURES

- Designed on GSMC 130nm
- Supply Voltage 1.7V
- Input Frequency 13MHz, 26MHz, 52MHz
- Output Frequency 2.4GHz → 2.5GHz
- Frequency resolution 400Hz
- Settling time with calibration <80us
- RMS Phase error < 1.8°
- Phase noise @1MHz < -110dBc/Hz
- Phase noise @2MHz < -117dBc/Hz
- Phase noise @3MHz < -118dBc/Hz
- Current Consumption < 5mA
- Fully integrated solution
- Self-calibration mechanism using fully integrated calibrators and state machines
- Operational temperature range from -40°C to 125°C

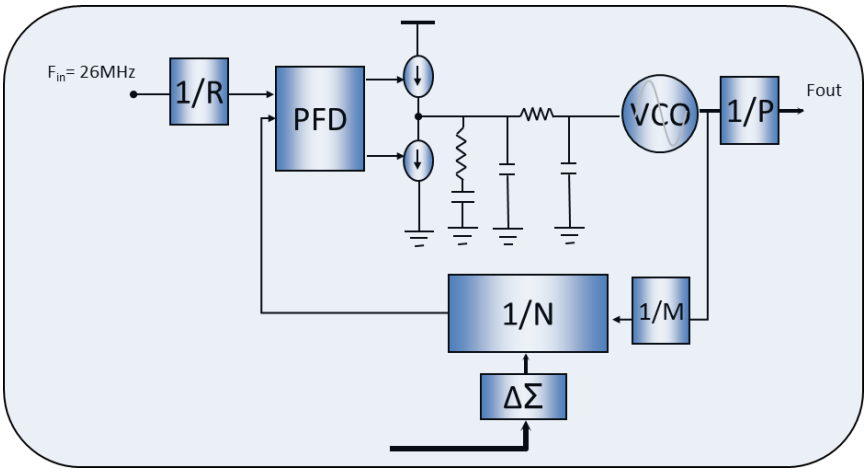
IP DESCRIPTION

Silicon Vision's SiVi-FPLL2P4G130 is 2.4GHz frequency synthesizer that operates and covers the 2.4GHz ISM Band. It low power consumption, low noise performance and fully integrated solution makes SiVi-FPLL2P4G130 perfect for 2.4GHz RF transceivers like in low energy Bluetooth and Zigbee.

SiVi-FPLL2P4G130 is ready on 130nm GSMC

APPLICATIONS

- Bluetooth and Low Energy Bluetooth Transceivers
- Zigbee Transciever



Block Diagram for SiVi-FPLL2P4G130

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