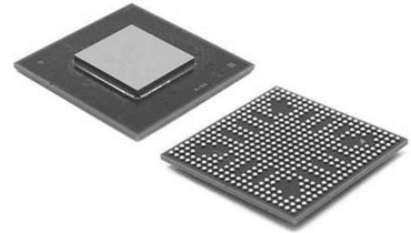


Phase Locked Loops - PLL F-N with high performance integrated VCO

Manufacturers	Analog Devices, Inc
Package/Case	LFCSP-32
Product Type	Phase Locked Loops - PLL
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADF4350BCPZ-RL7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADF4350 allows implementation of fractional-N or integer-N phase-locked loop (PLL) frequency synthesizers if used with an external loop filter and external reference frequency.

The ADF4350 has an integrated voltage controlled oscillator (VCO) with a fundamental output frequency ranging from 2200 MHz to 4400 MHz. In addition, divide-by-1/2/4/8 or 16 circuits allow the user to generate RF output frequencies as low as 137.5 MHz. For applications that require isolation, the RF output stage can be muted. The mute function is both pin- and software-controllable. An auxiliary RF output is also available, which can be powered down if not in use.

Control of all the on-chip registers is through a simple 3-wire interface. The device operates with a power supply ranging from 3.0 V to 3.6 V and can be powered down when not in use.

Features

Output frequency range: 137.5 MHz to 4400 MHz

Fractional-N synthesizer and integer-N synthesizer

Low phase noise VCO

Programmable divide-by-1/-2/-4/-8/-16 output

Typical rms jitter: <0.4 ps rms

Power supply: 3.0 V to 3.6 V

Logic compatibility: 1.8 V

Programmable dual-modulus prescaler of 4/5 or 8/9

Programmable output power level

RF output mute function

3-wire serial interface

Analog and digital lock detect

Switched bandwidth fast-lock mode

Cycle slip reduction

Application

Wireless infrastructure (W-CDMA, TD-SCDMA, WiMAX, GSM, PCS, DCS, DECT)

Test equipment

Wireless LANs, CATV equipment

Clock generation

Related Products



[ADF4350BCPZ](#)

Analog Devices, Inc
LFCSP-32



[ADF4111BRUZ](#)

Analog Devices, Inc
TSSOP-16



[ADF4116BRUZ](#)

Analog Devices, Inc
TSSOP-16



[ADF4193BCPZ](#)

Analog Devices, Inc
LFCSP-32



[AD9516-4BCPZ](#)

Analog Devices, Inc
LFCSP64



[ADF4113BRUZ](#)

Analog Devices, Inc
TSSOP-16



[ADF4110BRUZ](#)

Analog Devices, Inc
TSSOP-16



[AD2S99BPZ](#)

Analog Devices, Inc
PLCC-20