Phase Locked Loops - PLL 34-4400MHz PLL with Integrated VCO

Manufacturers	Analog Devices, Inc
Package/Case	LFCSP32
Product Type	Phase Locked Loops - PLL
RoHS	Rohs
Lifecycle	
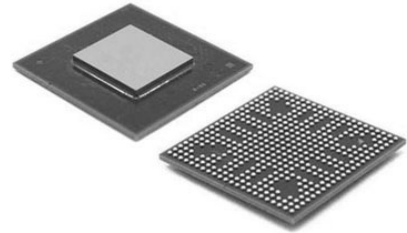
Images are for reference only

Please submit RFQ for ADF4351BCPZ-RL7 or Email to us: sales@ovaga.com We will contact you in 12 hours.   RFQ

General Description

The ADF4351 allows implementation of fractional-N or integer-Nphase-locked loop (PLL) frequency synthesizers when used withan external loop filter and external reference frequency.

The ADF4351 has an integrated voltage controlled oscillator (VCO)with a fundamental output frequency ranging from 2200 MHz to4400 MHz. In addition, divide-by-1/-2/-4/-8/-16/-32/-64 circuitsallow the user to generate RF output frequencies as low as 35 MHz.For applications that require isolation, the RF output stage can bemuted. The mute function is both pin- and software-controllable.An auxiliary RF output is also available, which can be powereddown when not in use.

Control of all on-chip registers is through a simple 3-wire interface.The device operates with a power supply ranging from 3.0 V to3.6 V and can be powered down when not in us

Features

Output frequency range: 35 MHz to 4400 MHz

Fractional-N synthesizer and integer-N synthesizer

Low phase noise VCO

Programmable divide-by-1/-2/-4/-8/-16/-32/-64 output

Typical rms jitter: 0.3 ps rms

Typical EVM at 2.1 GHz: 0.4%

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

AD9516-4BCPZ

Analog Devices, Inc

LFCSP64

ADF4111BRUZ

Analog Devices, Inc

TSSOP-16

ADF4113BRUZ

Analog Devices, Inc

TSSOP-16

ADF4116BRUZ

Analog Devices, Inc

TSSOP-16

ADF4110BRUZ

Analog Devices, Inc

TSSOP-16

Ovaga Technologies Limited   **Email: sales@ovaga.com**

ADF4193BCPZ

Analog Devices, Inc

LFCSP-32

AD2S99BPZ

Analog Devices, Inc

PLCC-20