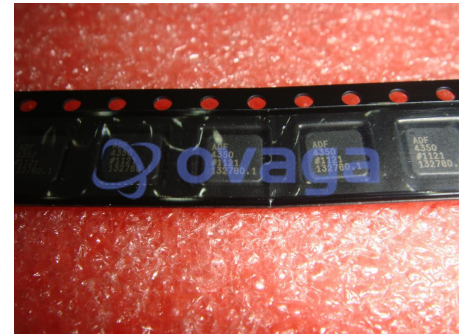


PLL, Frequency Synthesis, 4.4GHz, 3V to 3.6V Supply, LFCSP-32

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



Images are for reference only

Please submit RFQ for ADF4350BCPZ 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.

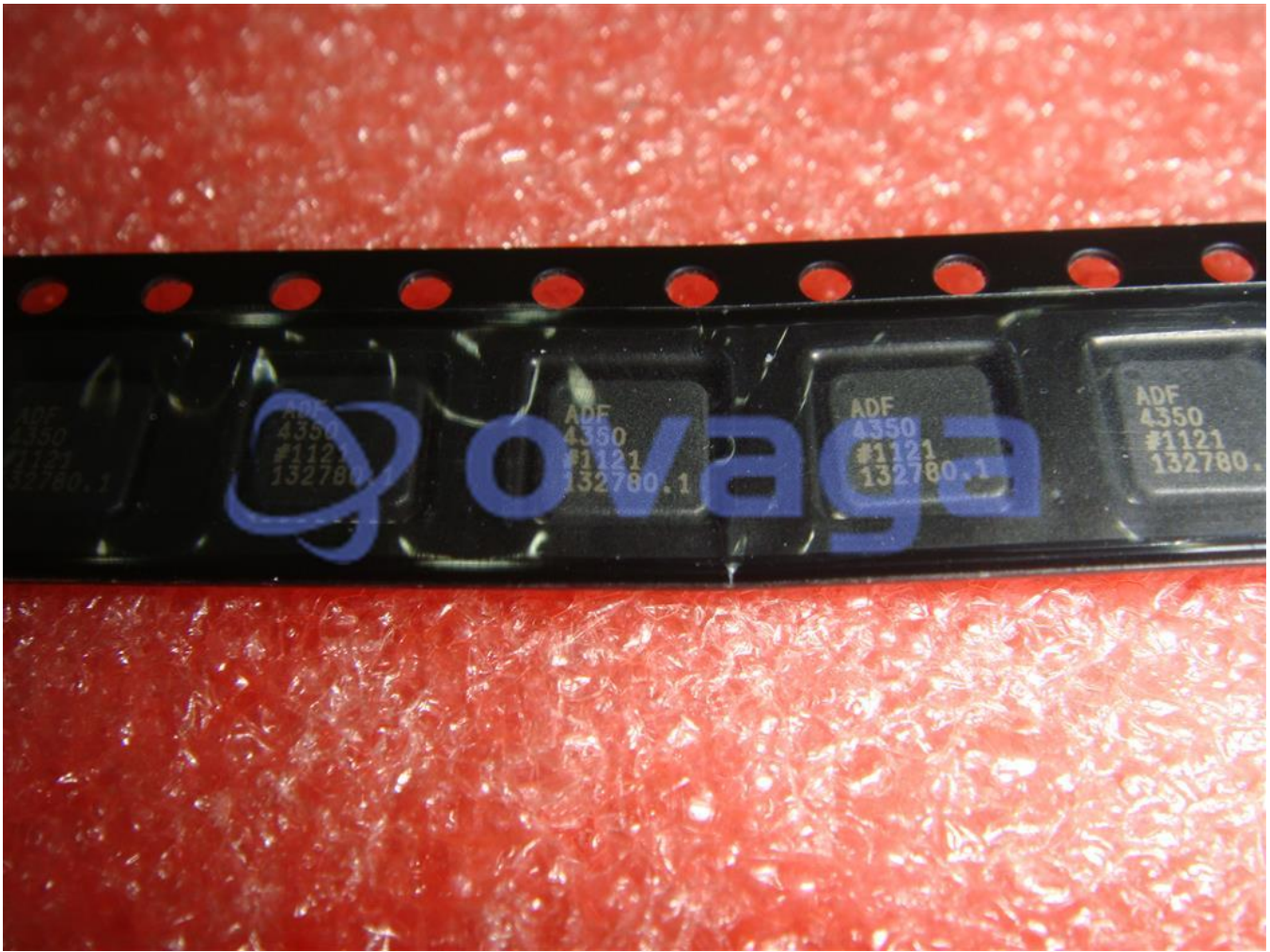
The ADF4350 has an integrated voltage controlled oscillator (VCO) with a fundamental output frequency ranging from 2200 MHz to 4400 MHz. In addition, divide-by-1/2/4/8 or 16 circuits allow the user to generate RF output frequencies as low as 137.5 MHz. For applications that require isolation, the RF 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

Application

Output frequency range: 137.5 MHz to 4400 MHz	Wireless infrastructure (W-CDMA, TD-SCDMA, WiMAX, GSM, PCS, DCS, DECT)
Fractional-N synthesizer and integer-N synthesizer	Test equipment
Low phase noise VCO	Wireless LANs, CATV equipment
Programmable divide-by-1/-2/-4/-8/-16 output	Clock generation
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	





Related Products



[AD9516-4BCPZ](#)

Analog Devices, Inc
LFCSP64



[ADF4113BRUZ](#)

Analog Devices, Inc
TSSOP-16



[ADF4110BRUZ](#)

Analog Devices, Inc
TSSOP-16



[AD2S99BPZ](#)

Analog Devices, Inc
PLCC-20



[ADF4111BRUZ](#)

Analog Devices, Inc
TSSOP-16



[ADF4116BRUZ](#)

Analog Devices, Inc
TSSOP-16



[ADF4193BCPZ](#)

Analog Devices, Inc
LFCSP-32



[AD9528BCPZ](#)

Analog Devices, Inc
72-VFQFN, CSP