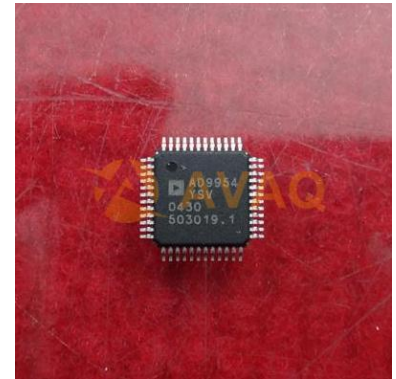


Direct Digital Synthesizer 400MHz 1-DAC 14bit Serial 48-Pin TQFP EP



Images are for reference only

[Inquiry](#)

Manufacturer: [Analog Devices, Inc](#)

Package/Case: QFP

Product Type: Clock & Timer ICs

Lifecycle: Obsolete

General Description

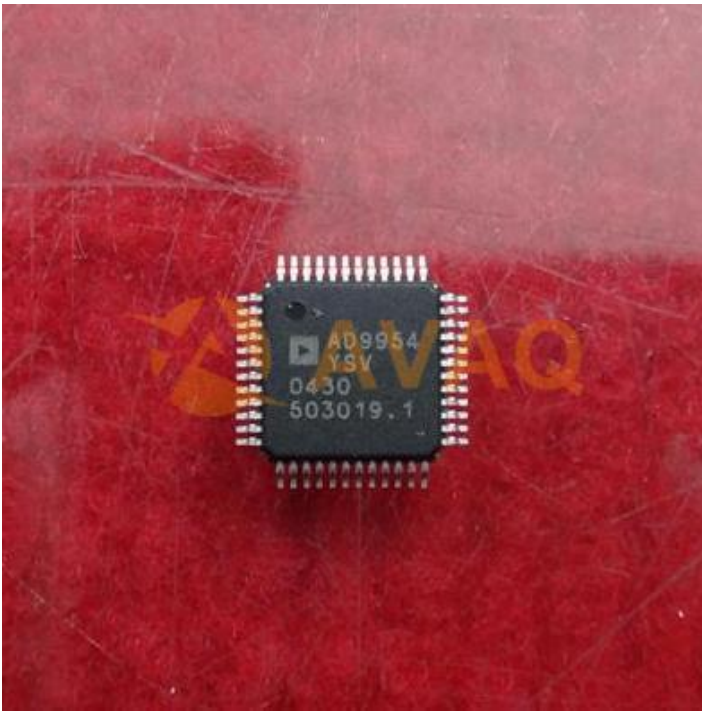
AD9954YSV is a high-speed direct digital synthesizer (DDS) chip manufactured by Analog Devices, Inc. It is designed to generate high-quality, frequency- and phase-tunable analog signals with excellent spectral purity.

Key Features

- 400 MSPS update rate
- 14-bit DAC resolution
- 500 MHz clock frequency
- 32-bit frequency tuning word
- 48-bit phase accumulator
- Programmable output voltage range
- On-chip reference oscillator and PLL
- Various digital modulation modes

Application

- Test and measurement equipment
- Communications systems
- Radar systems
- Imaging systems
- Signal generators
- RF synthesizers



Recommended For You

AD9517-3ABCPZ

Analog Devices, Inc

QFN

ADCLK914BCPZ-WP

Analog Devices, Inc

LFCSP-16

AD7008JP50

Analog Devices, Inc

PLCC44

AD9952YSV

Analog Devices, Inc

QFP

AD9516-3BCPZ

Analog Devices, Inc

QFN

ADCLK944BCPZ-R2

Analog Devices, Inc

LFCSP16

AD9577BCPZ

Analog Devices, Inc

LFCSP-40

AD9543BCPZ

Analog Devices, Inc

LFCSP-48

AD9853AS

Analog Devices, Inc

QFP

ADN2805ACPZ

Analog Devices, Inc

LFCSP

AD9515BCPZ-REEL7

Analog Devices, Inc

LFCSP-32

ADN2807ACPZ

Analog Devices, Inc

48-LFCSP

AD9520-4BCPZ

Analog Devices, Inc

LFCSP

AD9831AST

Analog Devices, Inc

QFP

ADN2855ACPZ

Analog Devices, Inc

LFCSP32