



Direct Digital Synthesizer 3500MHz 1-DAC 12bit Parallel/Serial 88-Pin LFCSP EP Tray

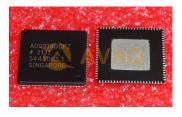
Manufacturer: <u>Analog Devices, Inc</u>

Package/Case: LFCSP

Product Type: Clock & Timer ICs

RoHS: RoHS Compliant/Lead free RoHS

Lifecycle: Active



Images are for reference only

Inquiry

General Description

AD9914BCPZ is a high-performance direct digital synthesizer (DDS) IC (integrated circuit) manufactured by Analog Devices. The AD9914BCPZ is a member of the AD9914 family of DDS ICs, and it is designed for applications that require high-speed frequency and phase tuning.

Key Features

14-bit resolution DAC (digital-to-analog converter)

On-chip PLL (phase-locked loop)

3.5 GSPS (gigasamples per second) maximum DDS update rate

Frequency range of 0 Hz to 1.5 GHz

High dynamic range SFDR (spurious-free dynamic range)

Programmable output amplitude

Multiple modulation schemes including FSK, PSK, ASK, and QAM

Support for external reference clocks

Application

Test and measurement equipment

Radar and electronic warfare systems

Communications systems

Industrial automation and control

Medical imaging and ultrasound equipment

Aerospace and defense systems



Recommended For You

AD7305BRZ

Analog Devices, Inc

SOP20

AD5447YRUZ

Analog Devices, Inc

TSSOP

AD537JH

Analog Devices, Inc

CAN10

AD7740YRMZ

Analog Devices, Inc

MSOP8

AD9954YSVZ

Analog Devices, Inc

QFP

AD9910BSVZ

Analog Devices, Inc

TQFP100

AD5302BRMZ

Analog Devices, Inc

MSOP10

AD652AQ

Analog Devices, Inc

DIP

AD73311ARSZ

Analog Devices, Inc

SSOP20

AD2S1205YSTZ

Analog Devices, Inc

LQFP44

AD9831ASTZ

Analog Devices, Inc

QFP

AD5531BRUZ

Analog Devices, Inc

TSSOP16

AD654JN

Analog Devices, Inc

DIP8

AD7291BCPZ

Analog Devices, Inc

LFCSP20

AD9835BRUZ

Analog Devices, Inc

TSSOP16