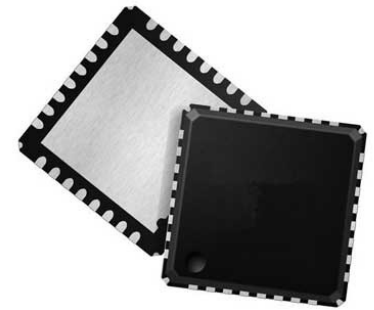


AFE General Purpose 1 ADC 12bit 3.3V 32-Pin LFCSP EP Tray



Images are for reference only

[Inquiry](#)

Manufacturer: [Analog Devices, Inc](#)

Package/Case: QFN32

Product Type: Data Conversion ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The AD9945's signal chain consists of a correlated double sampler (CDS), a digitally controlled variable gain amplifier (VGA), a black level clamp, and a 12-bit A/D converter.

The internal registers are programmed through a 3-wire serial digital interface. Programmable features include gain adjustment, black level adjustment, input clock polarity, and power-down modes. The AD9945 operates from a single 3 V power supply, typically dissipates 140 mW, and is packaged in a space-saving 32-lead LFCSP.

Key Features

40 MSPS Correlated Double Sampler (CDS)

6 dB to 40 dB 10-Bit Variable Gain Amplifier (VGA)

Low Noise Optical Black Clamp Circuit

Preblanking Function

12-Bit 40 MSPS A/D Converter

No Missing Codes Guaranteed

3-Wire Serial Digital Interface

3 V Single-Supply Operation

Low Power: 140 mW @ 3 V Supply

Space-Saving 32-Lead

5 mm x 5 mm LFCSP

Recommended For You

AD7305BRZ

Analog Devices, Inc
SOP20

AD5447YRUZ

Analog Devices, Inc
TSSOP

AD537JH

Analog Devices, Inc
CAN10

AD7740YRMZ

Analog Devices, Inc
MSOP8

AD7291BCPZ

Analog Devices, Inc
LFCSP20

AD9910BSVZ

Analog Devices, Inc
TQFP100

AD5302BRMZ

Analog Devices, Inc
MSOP10

AD652AQ

Analog Devices, Inc
DIP

AD9914BCPZ

Analog Devices, Inc
LFCSP

AD9954YSVZ

Analog Devices, Inc
QFP

AD9831ASTZ

Analog Devices, Inc
QFP

AD5531BRUZ

Analog Devices, Inc
TSSOP16

AD654JN

Analog Devices, Inc
DIP8

AD73311ARSZ

Analog Devices, Inc
SSOP20

AD2S1205YSTZ

Analog Devices, Inc
LQFP44