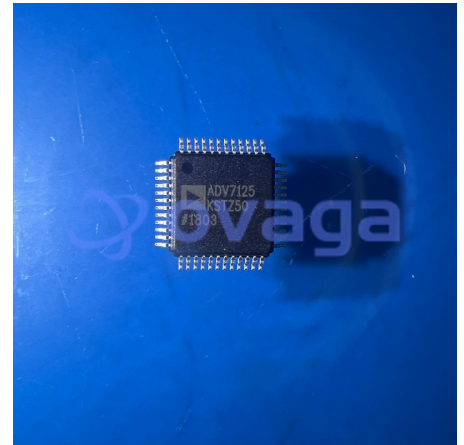


Digital to Analogue Converter, 8 bit, 50 MSPS, CMOS, Parallel, TTL, 3V to 3.6V, 4.75V to 5.25V, QFP

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	LQFP-48
Product Type	Data Conversion ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for ADV7125KSTZ50 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ADV7125 (ADV®) is a triple high speed, digital-to-analog converter (DAC) on a single monolithic chip. It consists of three high speed, 8-bit video DACs with complementary outputs, a standard TTL input interface, and a high impedance, analog output current source.

The ADV7125 has three separate 8-bit-wide input ports. A single +5 V/+3.3 V power supply and clock are all that are required to make the device functional. The ADV7125 has additional video control signals, composite SYNC and BLANK as well as a power save mode.

The ADV7125 is fabricated in a 5 V CMOS process. Its monolithic CMOS construction ensures greater functionality with lower power dissipation. The ADV7125 is available in 48-lead LQFP and 48-lead LFCSP packages.

### Product Highlights

330 MSPS (3.3 V only) throughput.

Guaranteed monotonic to eight bits.

Compatible with a wide variety of high resolution color graphics systems, including RS-343A and RS-170.

## Features

330 MSPS throughput rate

Triple 8-bit DACs

RS-343A-/RS-170-compatible output

Complementary outputs

DAC output current range: 2.0 mA to 26.5 mA

TTL-compatible inputs

Internal reference (1.235 V)

Single-supply +5 V/+3.3 V operation

48-lead LQFP and LFCSP

Low power dissipation (30 mW minimum at 3 V)

Low power standby mode (6 mW typical at 3 V)

Industrial temperature range ( $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ )

RoHS compliant packages

Qualified for automotive applications

## Application

Digital video systems

High resolution color graphics

Digital radio modulation

Image processing

Instrumentation

Video signal reconstruction

Automotive infotainment units





## Related Products



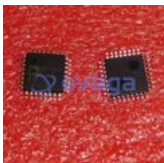
### [ADAS3022BCPZ](#)

Analog Devices, Inc  
LFCSP-40



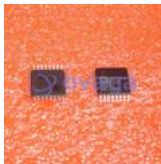
### [AD574AJNZ](#)

Analog Devices, Inc  
PDIP-28



### [AD7938BSUZ](#)

Analog Devices, Inc  
TQFP-32



### [AD7266BSUZ](#)

Analog Devices, Inc  
TQPF-32



### [AD7401YRWZ](#)

Analog Devices, Inc  
SOIC-16



### [AD7192BRUZ-REEL](#)

Analog Devices, Inc  
TSSOP-24



[AD7124-8BCPZ-RL7](#)

Analog Devices, Inc

LFCSP-32



[AD9680BCPZ-500](#)

Analog Devices, Inc

LFCSP-64