

330MHz Triple 8-Bit High Speed Video DAC; Package: LQFP; No of Pins: 48;
Temperature Range: Industrial

Manufacturers	Analog Devices, Inc
Package/Case	QFP48
Product Type	Data Conversion ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for ADV7125KSTZ140 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°C to +85°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



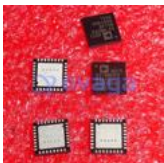
[AD574AJNZ](#)

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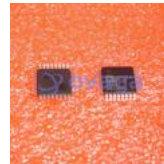
[AD7938BSUZ](#)

Analog Devices, Inc
TQFP-32



[AD7124-8BCPZ-RL7](#)

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LFCSP-32



[AD7266BSUZ](#)

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TQPF-32



[AD7401YRWZ](#)

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SOIC-16



[AD7192BRUZ-REEL](#)

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TSSOP-24



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LFCSP-64