

Digital to Analogue Converter, 10 bit, 330 MSPS, CMOS, Parallel, TTL, 3V to 3.6V, 4.75V to 5.25V

Manufacturers	Analog Devices, Inc
Package/Case	LQFP-48
Product Type	Data Conversion ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for ADV7123KSTZ50 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADV7123 (ADV®) is a triple high speed, digital-to-analog converter on a single monolithic chip. It consists of three high speed, 10-bit, video DACs with complementary outputs, a standard TTL input interface, and a high impedance, analog output current source.

The ADV7123 has three separate 10-bit-wide input ports. A single 5 V/3.3 V power supply and clock are all that are required to make the part functional. The ADV7123 has additional video control signals, composite SYNC and BLANK.

The ADV7123 also has a power save mode.

The ADV7123 is fabricated in a 5 V CMOS process. Its monolithic CMOS construction ensures greater functionality with lower power dissipation. The ADV7123 is available in a 48-lead LQFP package.

Product Highlights

330 MSPS throughput.

Guaranteed monotonic to 10 bits.

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

Features

330 MSPS throughput rate

Triple 10-bit digital-to-analog converters (DACs)

SFDR

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 package

ADV7123-EP supports defense and aerospace applications (AQEC standard)

[Download\(pdf\)](#)

Military temperature range: -55°C to $+105^{\circ}\text{C}$

Controlled manufacturing baseline

One assembly/test site

One fabrication site

Enhanced product change notification

Qualification data available on request

V62/12637 DSCC Drawing Number

Application

Digital video systems (1600×1200 at 100 Hz)

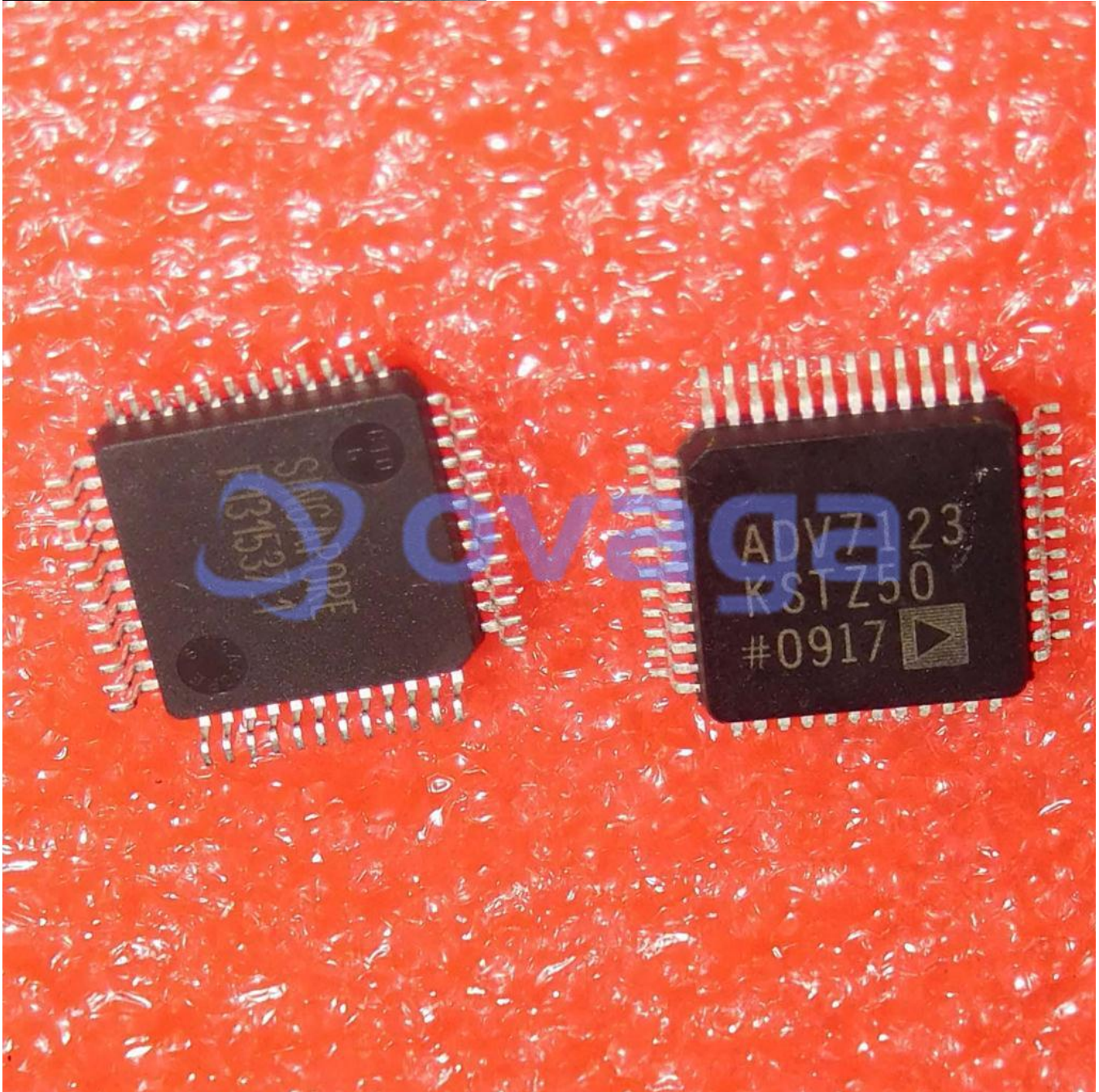
High resolution color graphics

Digital radio modulation

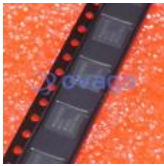
Image processing

Instrumentation

Video signal reconstruction



Related Products



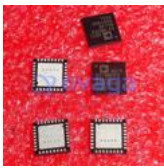
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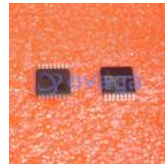
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