

Digital to Analogue Converter, 10 bit, 240 MSPS, Parallel, 3V to 3.6V, 4.75V to 5.25V, TSSOP

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP-24
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADV7127KRUZ50 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADV7127 is a high speed, DAC on a single monolithic chip. It consists of a 10-bit, video DAC with an on-board voltage reference, complementary outputs, a standard TTL input interface, and high impedance analog output current sources.

The ADV7127 has a 10-bit wide input port. A single 5 V or 3.3 V power supply and clock are all that are required to make the device functional.

The ADV7127 is fabricated in a complementary metal-oxide semiconductor (CMOS) process. Its monolithic CMOS construction ensures greater functionality with low power dissipation. The ADV7127 is available in a 24-lead TSSOP package which includes a power-down mode and an on-board voltage reference circuit.

Product Highlights

240 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

240 MSPS throughput rate

10-bit digital-to-analog converter (DAC)

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

Complementary outputs

DAC output current range: 2 mA to 18.5 mA

TTL-compatible inputs

Internal voltage reference

Single supply 5 V or 3.3 V operation

24-lead thin shrink small outline package (TSSOP) package

Low power dissipation

Low power standby mode

Power-down mode

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

Application

Digital video systems (1600×1200 at 100 Hz)

High resolution color graphics

Digital radio modulation

Image processing

Instrumentation

Video signal reconstruction

Direct digital synthesis (DDS)

Wireless local area networks (LANs)



Related Products



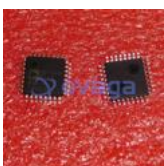
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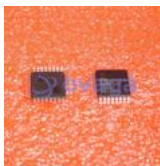
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