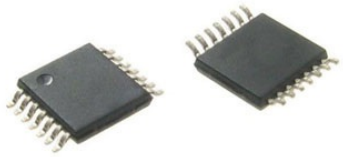
AD8612ARUZ

Data Sheet

Analogue Comparator, Rail to Rail, High Speed, 2 Comparators, 4 ns, 4.5V to 5.5V, 2.7V to 6V, TSSOP

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP14
Product Type	Comparator ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for AD8612ARUZ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The AD8611/AD8612 are single and dual 4 ns comparators with latch function and complementary output. The latch is not functional if VCC is less than 4.3 V.

Fast 4 ns propagation delay makes the AD8611/AD8612 good choices for timing circuits and line receivers. Propagation delays for rising and falling signals are closely matched and tracked over temperature. This matched delay makes the AD8611/AD8612 good choices for clock recovery because the duty cycle of the output matches the duty cycle of the input.

The AD8611 has the same pinout as the LT1016 and LT1394, with lower supply current and a wider common-mode input range, which includes the negative supply rail.

The AD8611/AD8612 are specified over the industrial temperature range (−40°C to +85°C). The AD8611 is available in both 8-lead MSOP and narrow 8-lead SOIC surface-mount packages. The AD8612 is available in a 14-lead TSSOP surface-mount package.

Features

4 ns propagation delay at 5 V

Single-supply operation: 3 V to 5 V

100 MHz input

Latch function

Application

High speed timing

Clock recovery and clock distribution

Line receivers

Digital communications

Phase detectors

High speed sampling

Read channel detection

PCMCIA cards

Zero-crossing detector

High speed analog-to-digital converter (ADC)

Upgrade for LT1394 and LT1016 designs

Related Products

ADCMP573BCPZ

Analog Devices, Inc

QFN

AD96687BQ

Analog Devices, Inc

CDIP-16

AD790SQ

Analog Devices, Inc

CDIP-8

AD790JRZ

Analog Devices, Inc

SOIC-8

AD9696KR

Analog Devices, Inc

SOP-8

AD790JN

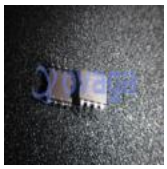
Analog Devices, Inc

PDIP-8

AD9687BD

Analog Devices, Inc

DIP16



AD9696TQ

Analog Devices, Inc

CDIP-8