


**Comparator Single 5V 8-Pin SOIC N Tube**

<b>Manufacturer:</b>	<u>Analog Devices, Inc</u>
<b>Package/Case:</b>	SOP8
<b>Product Type:</b>	Linear Displacement Sensors
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)**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 ( $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ ). 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.

## Key Features

Single-supply operation

100MHz 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



## Recommended For You

### AD8309ARUZ

Analog Devices, Inc

TSSOP16

### AD524BDZ

Analog Devices, Inc

CDIP-16

### AD8221BR

Analog Devices, Inc

SOP-8

**AD8221ARZ**

Analog Devices, Inc  
SOP8

**AD627BRZ**

Analog Devices, Inc  
SOP8

**AD622ANZ**

Analog Devices, Inc  
DIP8

**ADA4930-2YCPZ-R7**

Analog Devices, Inc  
LFCSP24

**AD8034ARZ**

Analog Devices, Inc  
SOP8

**AD8561ARZ**

Analog Devices, Inc  
SOP8

**AD633JRZ**

Analog Devices, Inc  
SOP8

**AD632AH**

Analog Devices, Inc  
CAN10

**AD8422BRZ**

Analog Devices, Inc  
SOP8

**ADCMP600BKSZ-R2**

Analog Devices, Inc  
SC70-5

**AD620BN**

Analog Devices, Inc  
DIP8

**AD620BR**

Analog Devices, Inc  
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