Comparator Single ±5V/10V 8-Pin SOIC N Tube

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

Images are for reference only

Inquiry

General Description

The AD8561 is a single 7 ns comparator with separate input andoutput sections. Separate supplies enable the input stage to beoperated from ±5 V dual supplies and +5 V single supplies.

Fast 7 ns propagation delay makes the AD8561 a good choicefor timing circuits and line receivers. Propagation delays forrising and falling signals are closely matched and track overtemperature. This matched delay makes the AD8561 a goodchoice for clock recovery, since the duty cycle of the output willmatch the duty cycle of the input.

The AD8561 has the same pinout as the LT1016, with lowersupply current and a wider common-mode input range, whichincludes the negative supply rail.

The AD8561 is specified over the industrial (–40°C to +85°C)temperature range. The AD8561 is available in both the 8-leadplastic DIP, 8-lead TSSOP or narrow SO-8 surface mountpackages.

Key Features

Single-supply operation

Low power

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

Upgrade for 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

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

SOP

AD204JY

Analog Devices, Inc

DIP