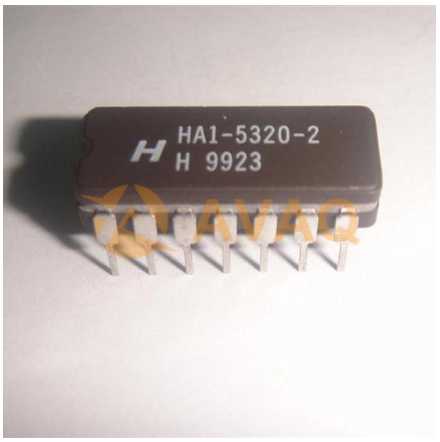
HA1-5320-2

Sample and Hold 1-CH 1.5us 14-Pin CDIP

Manufacturer:	Rochester Electronics Incorporated
Package/Case:	CDIP14
Product Type:	Amplifier ICs
Lifecycle:	Aftermarket



Images are for reference only

Inquiry

General Description

The HA-5320 was designed for use in precision, high speed data acquisition systems.The circuit consists of an input transconductance amplifier capable of providing large amounts of charging current, a low leakage analog switch, and an output integrating amplifier. The analog switch sees virtual ground as its load; therefore, charge injection on the hold capacitor is constant over the entire input/output voltage range. The pedestal voltage resulting from this charge injection can be adjusted to zero by use of the offset adjust inputs. The device includes a hold capacitor. However, if improved droop rate is required at the expense of acquisition time, additional hold capacitance may be added externally.This monolithic device is manufactured using the Intersil Dielectric Isolation Process, minimizing stray capacitance and eliminating SCRs. This allows higher speed and latchfree operation. For further information, please see Application Note AN538.

Key Features

Gain, DC: 2 x 10^6 V/V

Acquisition Time: 1.0µs (0.01%)

Droop Rate: 0.08µV/µs (+25°C) 17µV/µs (Full Temperature)

Aperture Time: 25ns

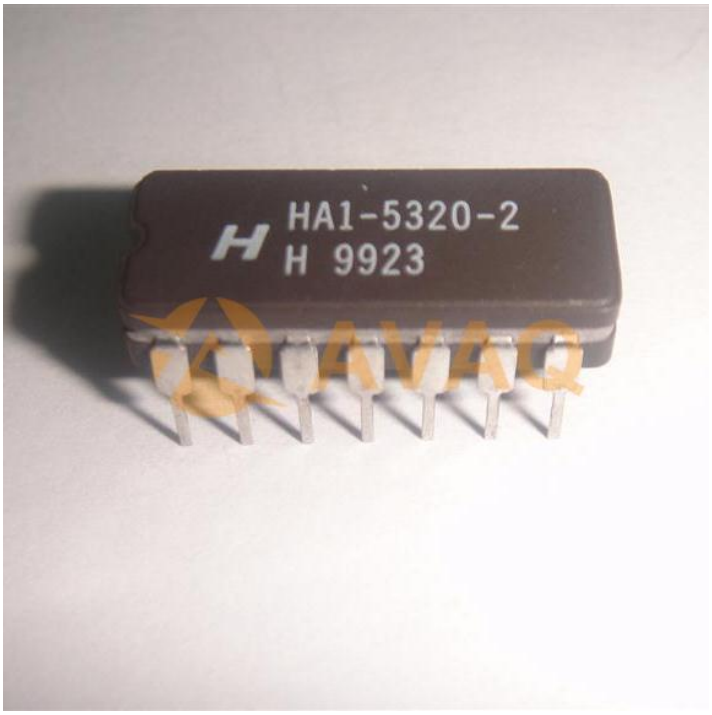
Hold Step Error (See Glossary): 5mV

Internal Hold Capacitor

Fully Differential Input

TTL Compatible

Pb-Free Available (RoHS Compliant)



Recommended For You

HA3-2425-5
Rochester Electronics Incorporated
DIP-14

HA1-2425-5
Rochester Electronics Incorporated
DIP

HA3-5320-5
Rochester Electronics Incorporated
DIP14

HA4-2420/883
Rochester Electronics Incorporated
CLCC20

HA3-5330-5
Rochester Electronics Incorporated
DIP14

HA3-5340-5
Rochester Electronics Incorporated
DIP-14

HA1-5340/883
Rochester Electronics Incorporated
CDIP

HA1-2547-5
Rochester Electronics Incorporated
CDIP16

HA1-2542-2
Rochester Electronics Incorporated
CDIP

HA2-2542/883
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CAN

HA1-5320/883
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HA1-5320-8
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HA1-2557/883
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