

Buffer Amplifier, 1 Amplifiers, 110 MHz, 1.3 V/ns, 10V to 40V, SOIC, 8 Pins

Manufacturers	<a href="#">Renesas Technology Corp</a>
Package/Case	SOIC-8
Product Type	Amplifier ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for HA9P5002-9Z or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The HA-5002/883 is a monolithic, wideband, high slew rate, high output current, buffer amplifier. Utilizing the advantages of the Harris Dielectric Isolation technologies, the HA-5002/883 current buffer offers 1300V/ $\mu$ s slew rate typically and 1000V/ $\mu$ s minimum with 110MHz of bandwidth. The  $\pm$ 100mA minimum output current capability is enhanced by a 3 $\Omega$  output impedance. The monolithic HA-5002/883 will replace the hybrid LH0002 with corresponding performance increases. These characteristics range from the 3M $\Omega$  (typ) input impedance to the increased output voltage swing. Monolithic design technologies have allowed a more precise buffer to be developed with more than an order of magnitude smaller gain error. The voltage gain is 0.98 guaranteed minimum with a 1k $\Omega$  load and 0.96 minimum with a 100 $\Omega$  load. The HA-5002/883 will provide many present hybrid users with a higher degree of reliability and at the same time increase overall circuit performance.

## Features

Voltage gain: 0.995

High input impedance: 3000k $\Omega$

Low output impedance: 3 $\Omega$

Very high slew rate: 1300V/ $\mu$ s

Very wide bandwidth: 110MHz

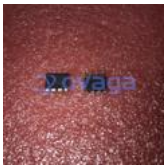
High output current:  $\pm$ 200mA

Pulsed output current: 400mA

Monolithic construction

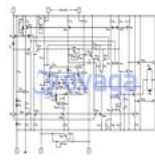
Pb-Free available (RoHS Compliant)

## Related Products



### [HA17358B](#)

Renesas Technology Corp  
DIP-8



### [HA7-5147-2](#)

Renesas Technology Corp  
CDIP-8



### [HA1-5104-2](#)

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### [HA7-5102-2](#)

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### [HA2-5002-2](#)

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### [HA7-2640-2](#)

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### [HA2-2620-2](#)

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8-Pin Metal Can



### [HA2-2520-2](#)

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