

Buffer Amplifier, 1 Amplifiers, 110 MHz, 1300 V/ μ s, 12V to 15V, SOIC, 8 Pins

Manufacturers	Renesas Technology Corp
Package/Case	SOIC-8
Product Type	Amplifier ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for HA9P5002-5Z 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/ μ s slew rate typically and 1000V/ μ s minimum with 110MHz of bandwidth. The \pm 100mA minimum output current capability is enhanced by a 3 Ω output impedance. The monolithic HA-5002/883 will replace the hybrid LH0002 with corresponding performance increases. These characteristics range from the 3M Ω (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 Ω load and 0.96 minimum with a 100 Ω 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 Ω

Low output impedance: 3 Ω

Very high slew rate: 1300V/ μ s

Very wide bandwidth: 110MHz

High output current: \pm 200mA

Pulsed output current: 400mA

Monolithic construction

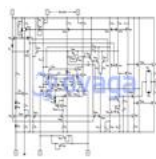
Pb-Free available (RoHS Compliant)

Related Products



[HA17358B](#)

Renesas Technology Corp
DIP-8



[HA7-5147-2](#)

Renesas Technology Corp
CDIP-8



[HA1-5104-2](#)

Renesas Technology Corp
DIP-14



[HA7-5102-2](#)

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[HA2-5002-2](#)

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8-Pin Metal Can



[HA7-2640-2](#)

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[HA2-2620-2](#)

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[HA2-2520-2](#)

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