

100MHz, High Input Impedance, Very Wideband, Uncompensated Operational Amplifiers

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



Images are for reference only

Please submit RFQ for HA2-2620-2 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The HA-2620 is a bipolar operational amplifier (op amp) that features very high input impedance (500M $\Omega$ ) coupled with wideband AC performance. The high resistance of the input stage is complemented by low offset voltage (0.5mV) and low bias and offset current (1nA) to facilitate accurate signal processing. Input offset can be reduced further by means of an external nulling potentiometer. The 100MHz gain bandwidth product (HA-2620 is stable for closed loop gains greater than 5), 35V/ $\mu$ s slew rate, and 150kV/V open loop gain enable the HA-2620 to perform high-gain amplification of very fast, wideband signals. These dynamic characteristics, coupled with fast settling times, make this amplifier ideally suited to pulse amplification designs and high frequency (such as video) applications. The frequency response of the amplifier can be tailored to exact design requirements by means of an external bandwidth control capacitor connected from the COMP pin to GND.

In addition to its application in pulse and video amplifier designs, HA-2620 is suited to other high performance designs such as high-gain low distortion audio amplifiers, high-Q and wideband active filters, and high-speed comparators. For more information, see Application Note AN519.

## Features

Gain bandwidth product ( $A_V \geq 5$ ): 100MHz

High input impedance: 500M $\Omega$

Low input bias current: 1nA

Low input offset current: 1nA

Low input offset voltage: 3mV

High gain: 150kV/V

Slew rate: 35V/ $\mu$ s

Output short-circuit protection

Compensation pin for unity gain capability

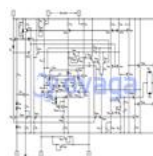


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