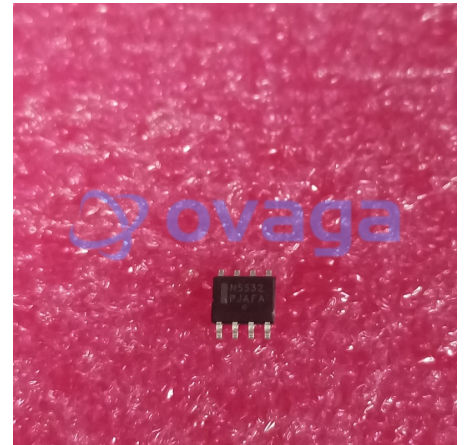


Internally Compensated Dual Low Noise Operational Amplifier, Op Amps 3-20V Dual Low Noise Commercial Temp

Manufacturers	<a href="#">ON Semiconductor, LLC</a>
Package/Case	SOIC-8
Product Type	Amplifier ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for NE5532AD8R2G or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The 5532 is a dual high-performance low noise op-amp. Compared to most of the standard operational amplifiers, such as the 1458, it shows better noise performance, improved output drive capability and considerably higher small-signal and power bandwidths. This makes the device especially suitable for application in high-quality and professional audio equipment, instrumentation and control circuits, and telephone channel amplifiers. The op amp is internally compensated for gains equal to one. If very low noise is of prime importance, it is recommended that the 5532A version be used because it has guaranteed noise voltage specifications.

## Features

Small-Signal Bandwidth: 10 MHz

Output Drive Capability: 600  $\Omega$ , 10 VRMS

Input Noise Voltage: 5.0 nV/(Hz)<sup>0.5</sup> (Typical)

DC Voltage Gain: 50000

AC Voltage Gain: 2200 at 10 kHz

Power Bandwidth: 140 kHz

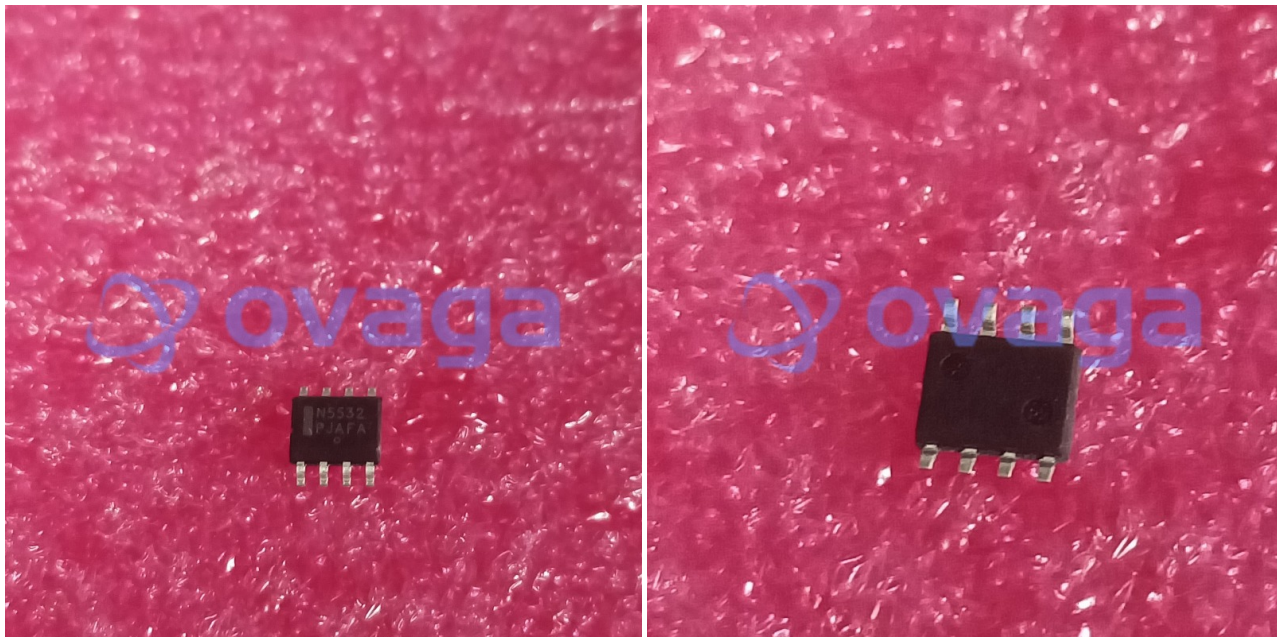
Slew Rate: 9.0 V/ $\mu$ s

Large Supply Voltage Range:  $\pm$ 3.0 to  $\pm$ 20 V

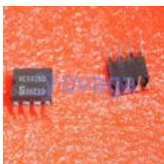
Compensated for Unity Gain

## Application

ONSEMI



## Related Products



### [NE592N8](#)

ON Semiconductor, LLC  
PDIP-8



### [NE5517D](#)

ON Semiconductor, LLC  
SOP-16



### [NE5517N](#)

ON Semiconductor, LLC  
DIP-16



### [NE5534D](#)

ON Semiconductor, LLC  
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[NE5534NG](#)

ON Semiconductor, LLC  
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[NE5534DR2G](#)

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[NE5532DG](#)

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SOIC-16