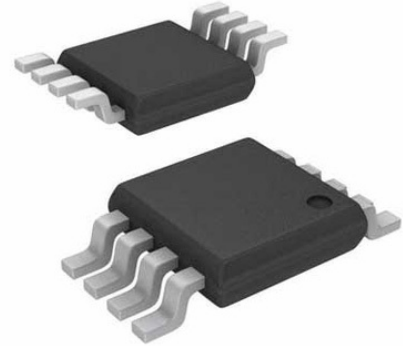


Operational Amplifier, Wide supply range, 3Mhz CMOS Op-Amp

Manufacturers	ON Semiconductor, LLC
Package/Case	TSSOP-8
Product Type	Amplifier ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for NCS20072DTBR2G or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The NCS2007x series operational amplifiers provide rail-to-rail output operation, 3 MHz bandwidth, and are available in single, dual, and quad configurations. Rail-to-rail operation enables the user to make optimal use of the entire supply voltage range while taking advantage of 3 MHz bandwidth. The NCS2007x can operate on supply voltages as low as 2.7 V over the temperature range of -40°C to 125°C. At a 2.7 V supply, the high bandwidth provides a slew rate of 2.8 V/μs while only consuming 405 μA of quiescent current per channel. The wide supply range allows the NCS2007x to run on supply voltages as high as 36 V, making it ideal for a broad range of applications. Since this is a CMOS device, high input impedance and low bias currents make it ideal for interfacing to a wide variety of signal sensors. The NCS2007x devices are available in a variety of compact packages. Automotive qualified options are available under the NCV prefix.

Features

Wide Supply Range: 2.7 V to 36 V

Wide supply range suitable for a wide variety of applications

Rail-To-Rail Output

Wide output range

Wide Bandwidth: 3 MHz typical at>

Compatible with high speed signals up to 3 MHz

High Slew Rate: 2.8 V/s typical at>

High large signal bandwidth

Low Supply Current: 405 A per channel at>

Low current consumption

Low Input Bias Current: 5 pA typical

High input impedance

Wide Temperature Range: -40°C to 125°C

Functional over wide temperature range

NCV Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q100 Qualified and PPAP Capable

Meets automotive standards

Application

ONSEMI

Related Products



[NCV33202VDR2G](#)

ON Semiconductor, LLC
SOIC-8



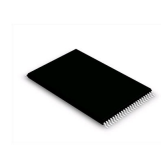
[NCP2820MUTBG](#)

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UDFN-8



[NCV33074ADTBR2G](#)

ON Semiconductor, LLC
TSSOP-14



[NCV2001SN2T1G](#)

ON Semiconductor, LLC
TSOP-5



[NCV7351D1ER2G](#)

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SOIC-8



[NCV33272ADR2G](#)

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SOIC-8

[NCV33274ADTBR2G](#)



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TSSOP-14

[NCV33274ADR2G](#)



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