

Single Supply, High Slew Rate, Low Input Offset Voltage Operational Amplifiers, Op Amps  
3-36V Quad Low Noise Low VIO Ind. Temp

Manufacturers	<u>ON Semiconductor, LLC</u>
Package/Case	SOIC-14
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for MC33274ADR2G or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The MC33272/74 series of monolithic op-amps are quality fabricated with innovative Bipolar design concepts. This dual and quad operational amplifier series incorporates Bipolar inputs along with a patented Zip-R-Trim element for input offset voltage reduction. The MC33272/74 series of op-amps exhibits low input offset voltage and high gain bandwidth product. Dual-doublet frequency compensation is used to increase the slew rate while maintaining low input noise characteristics. Its all NPN output stage exhibits no deadband crossover distortion, large output voltage swing, and an excellent phase and gain margin. It also provides a low open loop high frequency output impedance with symmetrical source and sink AC frequency performance.

## Features

Input Offset Voltage Trimmed to 100  $\mu\text{V}$  (Typ)

Low Input Bias Current: 300 nA

Low Input Offset Current: 3.0 nA

High Input Resistance: 16 M $\Omega$

Low Noise: 18 nV/(sq. rootHz)@ 1.0 kHz

High Gain Bandwidth Product: 24 MHz @ 100 kHz

High Slew Rate: 10 V/ $\mu\text{s}$

Power Bandwidth: 160 kHz

Excellent Frequency Stability

Unity Gain Stable: w/Capacitance Loads to 500 pF

Large Output Voltage Swing: +14.1 V/ -14.6 V

Low Total Harmonic Distortion: 0.003%

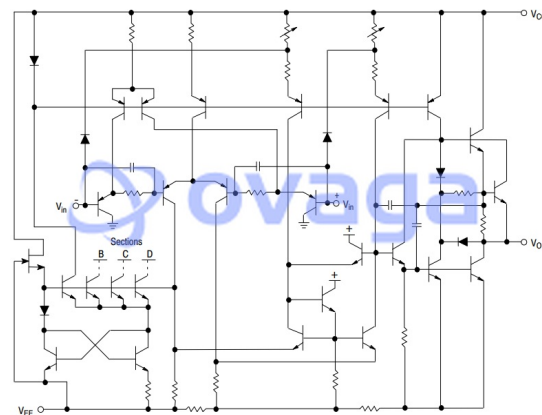
Power Supply Drain Current: 2.15 mA per Amplifier

Single or Split Supply Operation: +3.0 V to +36 V or +/-1.5 V to +/-18 V

ESD Diodes Provide Added Protection to the Inputs

## Application

ONSEMI



## Related Products



[MC33204DR2G](#)

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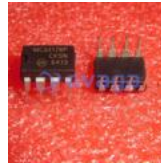
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