NCV33272ADR2G

Data Sheet

Single Supply, High Slew Rate, Low Input Offset Voltage Operational Amplifiers,Op Amps
DUAL HI SPEED BIP OP

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

Images are for reference only

Please submit RFQ for NCV33272ADR2G or Email to us: 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 µV (Typ)

Low Input Bias Current: 300 nA

Low Input Offset Current: 3.0 nA

High Input Resistance: 16 MΩ

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

High Gain Bandwidth Product: 24 MHz @ 100 kHz

High Slew Rate: 10 V/µs

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

NCV33202VDR2G

ON Semiconductor, LLC

SOIC-8

NCP2820MUTBG

ON Semiconductor, LLC

UDFN-8

NCV33074ADTBR2G

ON Semiconductor, LLC

TSSOP-14

NCV2001SN2T1G

ON Semiconductor, LLC

TSOP-5

NCV7351D1ER2G

ON Semiconductor, LLC

SOIC-8

NCV33274ADTBR2G

ON Semiconductor, LLC

TSSOP-14

NCS20072DTBR2G

ON Semiconductor, LLC

TSSOP-8

NCV33274ADR2G

ON Semiconductor, LLC

SOIC-14