MC33179DG

Data Sheet

Low Power, Low Noise Operational Amplifiers,Op Amps 2-18V Quad Low Power Industrial Temp

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

Images are for reference only

Please submit RFQ for MC33179DG or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

General Description

The MC33178/9 series is a family of high quality monolithic op-amps employing Bipolar technology with innovative high performance concepts for quality audio and data signal processing applications. This device family incorporates the use of high frequency PNP input transistors to produce amplifiers exhibiting low input offset voltage, noise and distortion. In addition, the amplifier provides high output current drive capability while consuming only 420μA of drain current per amplifier. The NPN output stage used, exhibits no deadband crossover distortion, large output voltage swing, excellent phase and gain margins, low open-loop high frequency output impedance, symmetrical source and sink AC frequency performance. The MC33178/9 family offers both dual and quad amplifier versions, tested over the vehicular temperature range, and are available in DIP and SOIC packages.

Features

600 W Output Drive Capability

Large Output Voltage Swing

Low Offset Voltage: 0.15 mV (Mean)

Low T.C. of Input Offset Voltage: 2.0 V/°C

Low Total Harmonic Distortion: 0.0024% (@ 1.0 kHz w/600 W Load)

High Gain Bandwidth: 5.0 MHz

High Slew Rate: 2.0 V/μs

Dual Supply Operation: +/-2.0 V to +/-18 V

ESD Clamps on the Inputs Increase Ruggednesswithout Affecting Device Performance

Application

ONSEMI

Related Products

MC33204DR2G

ON Semiconductor, LLC

SOIC-14

MC34074ADG

ON Semiconductor, LLC

SOIC-14

MC3403DG

ON Semiconductor, LLC

SOIC-14

MC33178P

ON Semiconductor, LLC

DIP-8

MC33074DR2G

ON Semiconductor, LLC

SOIC-14

MC33201PG

ON Semiconductor, LLC

8-PDIP

MC33204DTBR2G

ON Semiconductor, LLC

TSSOP-14

MC34074VDG

ON Semiconductor, LLC

SOIC-14