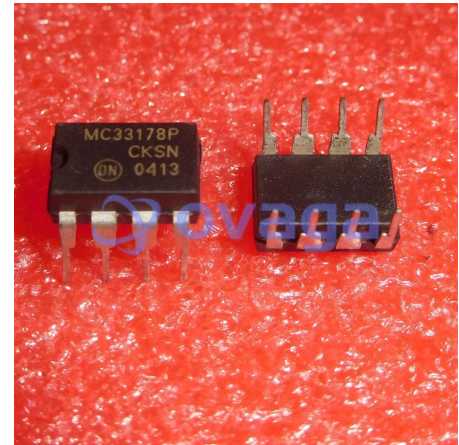


Operational Amplifiers - Op Amps 2-18V Dual Low Power

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



Images are for reference only

Please submit RFQ for MC33178P or [Email to us: sales@ovaga.com](mailto: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 420 μ A 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

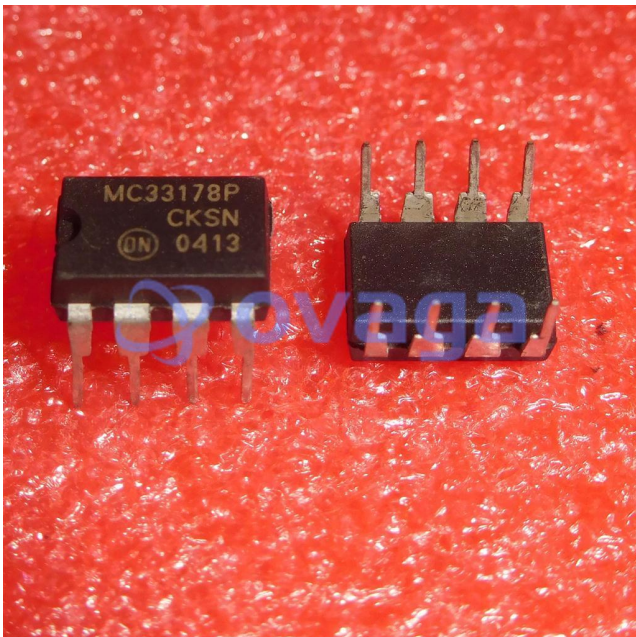
High Slew Rate: 2.0 V/μs

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

ESD Clamps on the Inputs Increase Ruggedness without 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



[MC33074DR2G](#)

ON Semiconductor, LLC
SOIC-14



[MC33201PG](#)

ON Semiconductor, LLC
8-PDIP



[MC33204DTBR2G](#)

ON Semiconductor, LLC
TSSOP-14



[MC34074VDG](#)

ON Semiconductor, LLC
SOIC-14



[MC33178PG](#)

ON Semiconductor, LLC
PDIP-8