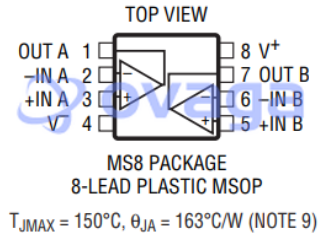


Fuse Clip 10A 250V Radial Through Hole Bulk

Manufacturers	Analog Devices, Inc
Package/Case	8 MSOP
Product Type	Amplifier ICs
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for LTC6253HMS8#TRPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC6252/LTC6253/LTC6254 are single/dual/quad low power, high speed unity gain stable rail-to-rail input/output operational amplifiers. On only 3.5mA of supply current they feature a 720MHz gain-bandwidth product, 280V/ μ s slew rate and a low 2.75nV/ $\sqrt{\text{Hz}}$ of input-referred noise. The combination of high bandwidth, high slew rate, low power consumption and low broadband noise makes the LTC6252 family unique among rail-to-rail input/output op amps with similar supply currents. They are ideal for lower supply voltage high speed signal conditioning systems.

The LTC6252 family maintains high efficiency performance from supply voltage levels of 2.5V to 5.25V and is fully specified at supplies of 2.7V and 5.0V.

For applications that require power-down, the LTC6252 and the LTC6253 in MS10 offer a shutdown pin which disables the amplifier and reduces current consumption to 42 μ A.

The LTC6252 family can be used as a plug-in replacement for many commercially available op amps to reduce power or to improve input/output range and performance.

Features

Gain Bandwidth Product: 720MHz

Low Quiescent Current: 3.5mA Max

High Slew Rate: 280V/ μ s

Input Common Mode Range Includes Both Rails

Output Swings Rail-to-Rail

Low Broadband Voltage Noise: 2.75nV/ $\sqrt{\text{Hz}}$

Power-Down Mode: 42 μ A

Fast Output Recovery

Supply Voltage Range: 2.5V to 5.25V

Input Offset Voltage: 350 μ V Max

Large Output Current: 90mA

CMRR: 105dB

Open Loop Gain: 60V/mV

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

Single in 6-Pin TSOT-23

Dual in MS8, 2mm \times 2mm DFN, 8-Pin TSOT-23, MS10

Quad in MS16

Application

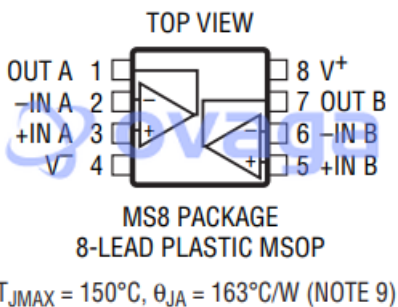
Low Voltage, High Frequency Signal Processing

Driving A/D Converters

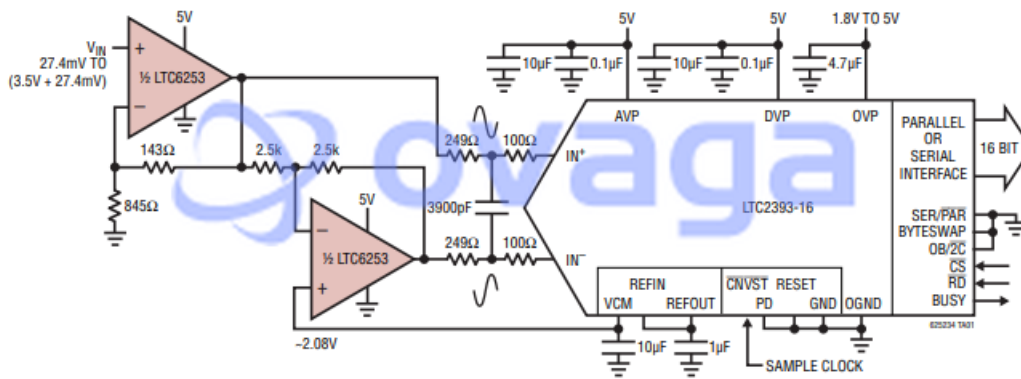
Rail-to-Rail Buffer Amplifiers

Active Filters

Battery Powered Equipment



5V Single-Supply 16-Bit ADC Driver



Related Products



[LTC1151CSW#PBF](#)

Analog Devices, Inc
SOIC-16



[LT1498CS8](#)

Analog Devices, Inc
SOP-8



[LTC2053CMS8](#)

Analog Devices, Inc
MSOP8



[LTC1150CN8](#)

Analog Devices, Inc
DIP8



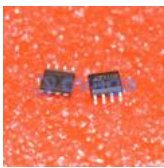
[LT1491ACS](#)

Analog Devices, Inc
SOP14



[LT6105IMS8](#)

Analog Devices, Inc
MSOP-8



[LTC1150CS8](#)

Analog Devices, Inc
SOP8



[LT1013CN8](#)

Analog Devices, Inc
DIP-8