

Precision, Low Noise, Rail-to-Rail Input and Output Operational Amplifier

PRODUCT DESCRIPTION

The MS836X are single channel, dual channel rail-to-rail input and output, single power supply operational amplifiers respectively, which are featured by low offset voltage, low input noise and wide signal bandwidth.

Low offset, low noise, low input bias current and wide bandwidth make the MS836X amplifier suitable for different applications. Its perfect features can be applied to filter, integrator, photodiode amplifier and high-impedance sensor.

The operating temperature range of the MS836X is from -40°C to 125°C.

FEATURES

- Low Offset Voltage : 65 μ V (Typ), 300 μ V (Max)
- Low Input Bias Current
- Single Power Supply : 2.7V to 5.5V
- Low Noise : 9.5 nV/ $\sqrt{\text{Hz}}$
- Wide Bandwidth :16MHz
- Stable Unity Gain

APPLICATIONS

- Photodiode Amplifier
- Multiple-order Filter
- Sensor
- Audio
- Bar Code Scanner

PRODUCT SPECIFICATION

Part Number	Package	Marking
MS8361S	SOT23-5	8361S
MS8362	SOP8	MS8362
MS8362M	MSOP8	MS8362M



SOT23-5



SOP8



MSOP8