

Precision Extended Bandwidth, RMS-to-DC Converter; Package: MSOP; No of Pins: 8;  
Temperature Range: -40°C to +85°C

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	MSOP8
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTC1967IMS8 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

LTC1967IMS8 is a high precision RMS-to-DC converter IC (integrated circuit) manufactured by Linear Technology Corporation, which is now a part of Analog Devices Inc. It is a small 8-pin MSOP (Mini Small Outline Package) package, and it is designed for use in precision DC measurement applications that require accurate measurement of AC signals.

## Features

**High accuracy:** It has a linearity error of less than 0.01% and a total error of less than 0.1% over a temperature range of -40°C to 85°C.

**Wide bandwidth:** It has a -3dB bandwidth of 1.5MHz, making it suitable for measuring signals with high frequency components.

**Low power consumption:** It consumes only 100uA of quiescent current, making it suitable for battery-powered applications.

**Small form factor:** It comes in an 8-pin MSOP package, which makes it ideal for applications where space is limited.

## Application

**Power measurement:** It can be used to measure the true RMS power of AC signals in power monitoring and control applications.

**Audio measurement:** It can be used in audio equipment to measure the RMS voltage of audio signals.

**Precision measurement:** It can be used in any application that requires the accurate measurement of AC signals, such as in test and measurement equipment, industrial automation, and medical equipment.



## Related Products



### [LT3763EFE](#)

Analog Devices, Inc  
TSSOP28



### [LT1038CK](#)

Analog Devices, Inc  
TO-3



### [LTC4417IUF](#)

Analog Devices, Inc  
QFN-24



### [LTC3440EMS](#)

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### [LTC1966CMS8#PBF](#)

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### [LTC2990IMS#PBF](#)

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