

IC D/A CONV 12BIT R-R DUAL 8SOIC

Manufacturers	Analog Devices, Inc
Package/Case	SOP-8
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTC1448CS8 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

LTC1448CS8 is a specific model number for a low power 12-bit, 8-channel analog-to-digital converter (ADC) designed by Linear Technology Corporation, now part of Analog Devices Inc.

Features

The LTC1448CS8 has a maximum sampling rate of 100ksp/s (kilosamples per second).

It operates on a single +5V supply and consumes only 150mW of power.

The device is designed with a 2-wire I²C-compatible serial interface, making it easy to integrate into various systems.

The ADC is accurate to ± 1 LSB (Least Significant Bit) with a total unadjusted error of $\pm 0.8\%$.

Application

- Process control systems
- Data acquisition systems
- Battery-operated instruments
- Industrial automation systems
- Medical equipment



<p>TOP VIEW</p> <p>N8 PACKAGE 8-LEAD PDIP</p> <p>S8 PACKAGE 8-LEAD PLASTIC SO</p> <p>$T_{JMAX} = 125^{\circ}\text{C}$, $\theta_{JA} = 100^{\circ}\text{C/W}$ (N8) $T_{JMAX} = 125^{\circ}\text{C}$, $\theta_{JA} = 150^{\circ}\text{C/W}$ (S8)</p>	ORDER PART NUMBER
	LTC1448CN8 LTC1448IN8 LTC1448CS8 LTC1448IS8
	S8 PART MARKING
	1448 1448I

Consult factory for Military grade parts.

Related Products



[LTC3015EQ](#)

Analog Devices, Inc
TO-263



[LTC2990IMS](#)

Analog Devices, Inc
MSOP-10



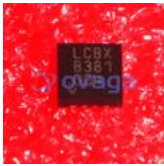
[LTC4357HMS8](#)

Analog Devices, Inc
MSOP-8



[LT1964ES5-SD#PBF](#)

Analog Devices, Inc
TSOT23



[LT5560EDD](#)

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