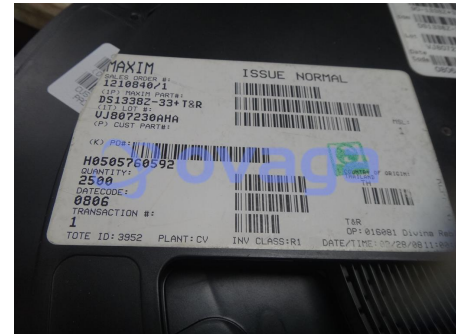


Real Time Clock I2C Serial RTC w/56 Byte NV RAM

Manufacturers	<u>Analog Devices, Inc</u>
Package/Case	SOIC-8
Product Type	Clock & Timer ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for DS1338Z-33 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

DS1338Z-33 is a real-time clock (RTC) IC (integrated circuit) manufactured by Maxim Integrated.

Features

It has a low-power consumption feature with a maximum supply current of 1.5 microamps

It provides time and calendar functions with seconds, minutes, hours, day, date, month, and year information

It has an integrated temperature-compensated crystal oscillator (TCXO) that maintains accurate timekeeping over a wide temperature range.

It has an I2C interface with a maximum operating frequency of 400 kHz.

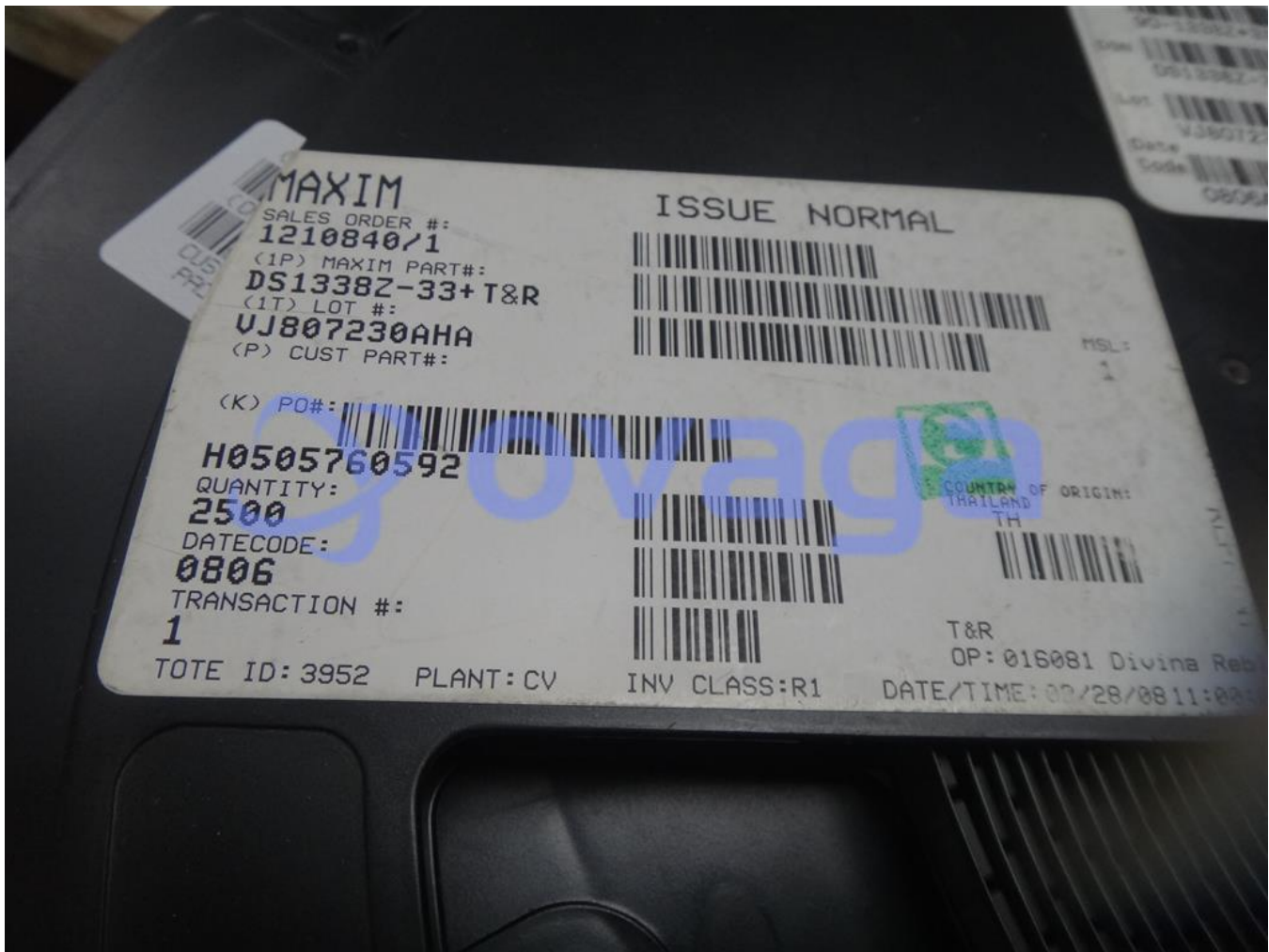
It has a built-in power-sense circuit that detects power failures and switches to backup power.

Application

The DS1338Z-33 RTC IC is commonly used in embedded systems such as industrial controllers, medical equipment, and appliances, to maintain an accurate time reference.

It is also used in battery-powered devices such as smartwatches, fitness trackers, and portable medical devices that require accurate timekeeping even when the device is turned off.

It can be used in automotive applications for real-time clock functions, such as keeping track of maintenance schedules and recording time-stamped events.



Related Products



[DS1307+](#)

Analog Devices, Inc
SOP8



[DS12R887-33](#)

Analog Devices, Inc
BGA48



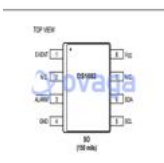
[DS3232SN#](#)

Analog Devices, Inc
SOIC-20



[DS1338Z-33+](#)

Analog Devices, Inc
SOIC-8



[DS1682S+T&R](#)

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[DS1374U-33](#)

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[DS1644-120+](#)

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[DS1339C-33](#)

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