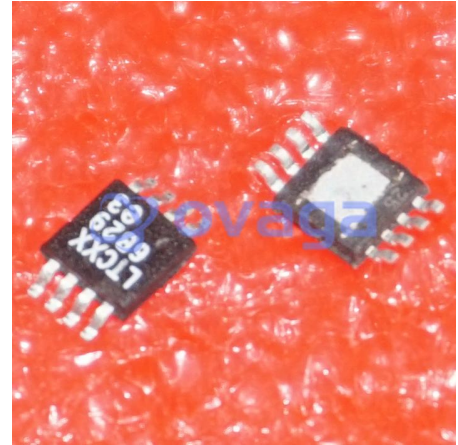


LDO Regulator Pos 1.2V to 19.5V 1.1A Automotive 8-Pin MSOP EP

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



Images are for reference only

Please submit RFQ for LT1965EMS8E or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

LT1965EMS8E is a voltage regulator IC (integrated circuit) designed and manufactured by Analog Devices Inc. It is a low dropout (LDO) linear regulator with a maximum input voltage of 20V and a maximum output current of 1.5A.

Features

High accuracy output voltage: The LT1965EMS8E provides a highly accurate output voltage of 1.21V to 19.5V, with a typical accuracy of 1%.

Low dropout voltage: The LDO regulator has a very low dropout voltage of 340mV at full load, which ensures stable regulation even with small input-output voltage differentials.

Low noise: The LT1965EMS8E has low output noise of 30 μ VRMS (10Hz to 100kHz), making it suitable for sensitive applications.

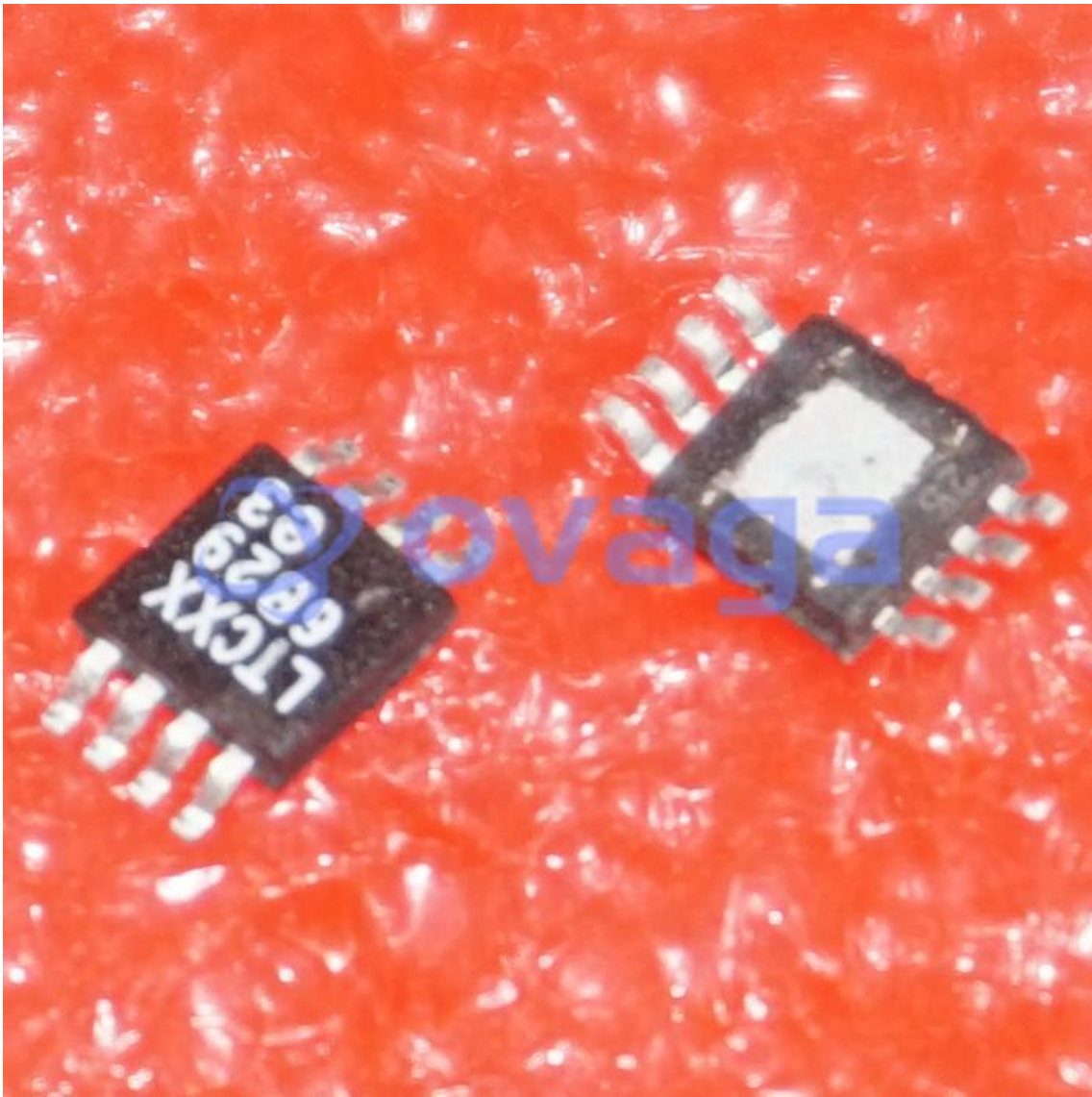
Current limit and thermal protection: The IC includes built-in current limit and thermal protection features, which protect the device and load against overcurrent and overheating.

Application

Power supplies for sensitive electronic circuits such as data converters, RF amplifiers, and precision instrumentation.

Battery-powered devices, including portable medical devices, portable data loggers, and handheld instruments.

Automotive applications such as infotainment systems, power amplifiers, and lighting controls.



Related Products



[LTC3015EQ](#)

Analog Devices, Inc
TO-263



[LTC4357HMS8](#)

Analog Devices, Inc
MSOP-8



[LT5560EDD](#)

Analog Devices, Inc
QFN-8



[LTC2990IMS](#)

Analog Devices, Inc
MSOP-10



[LT1964ES5-SD#PBF](#)

Analog Devices, Inc
TSOT23



[LT1963AES8](#)

Analog Devices, Inc
SOP-8



[LT1764AEFE](#)

Analog Devices, Inc

TSSOP1



[LT1764EQ](#)

Analog Devices, Inc

TO-263