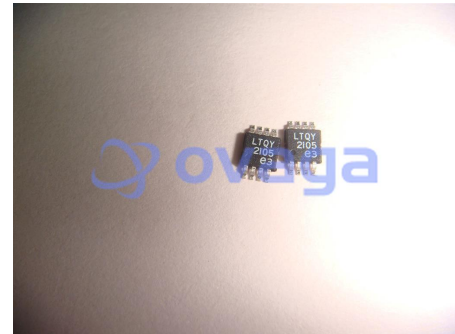


1.5A, 1.25MHz Step-Up Switching Regulator

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



Images are for reference only

Please submit RFQ for LT1961IMS8E or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT1961IMS8E is a specific model of a low dropout (LDO) linear regulator manufactured by Linear Technology (now Analog Devices), which is a popular semiconductor company that specializes in integrated circuits (ICs) for various applications.

Features

Low dropout voltage: The LT1961IMS8E has a low dropout voltage of typically 340mV at 1.5A output current, which means it can regulate output voltage with minimal voltage drop, making it suitable for applications where the input voltage is close to the desired output voltage.

High output current: The LT1961IMS8E can provide a maximum output current of 1.5A, making it suitable for powering a wide range of loads.

Wide input voltage range: The input voltage range of the LT1961IMS8E is typically from 1.8V to 20V, allowing it to be used with a wide variety of input voltage sources.

Adjustable output voltage: The output voltage of the LT1961IMS8E can be adjusted using external resistors, allowing for flexibility in setting the desired output voltage.

Low dropout voltage at light loads: The LT1961IMS8E features low dropout voltage even at light loads, making it suitable for applications with low current requirements.

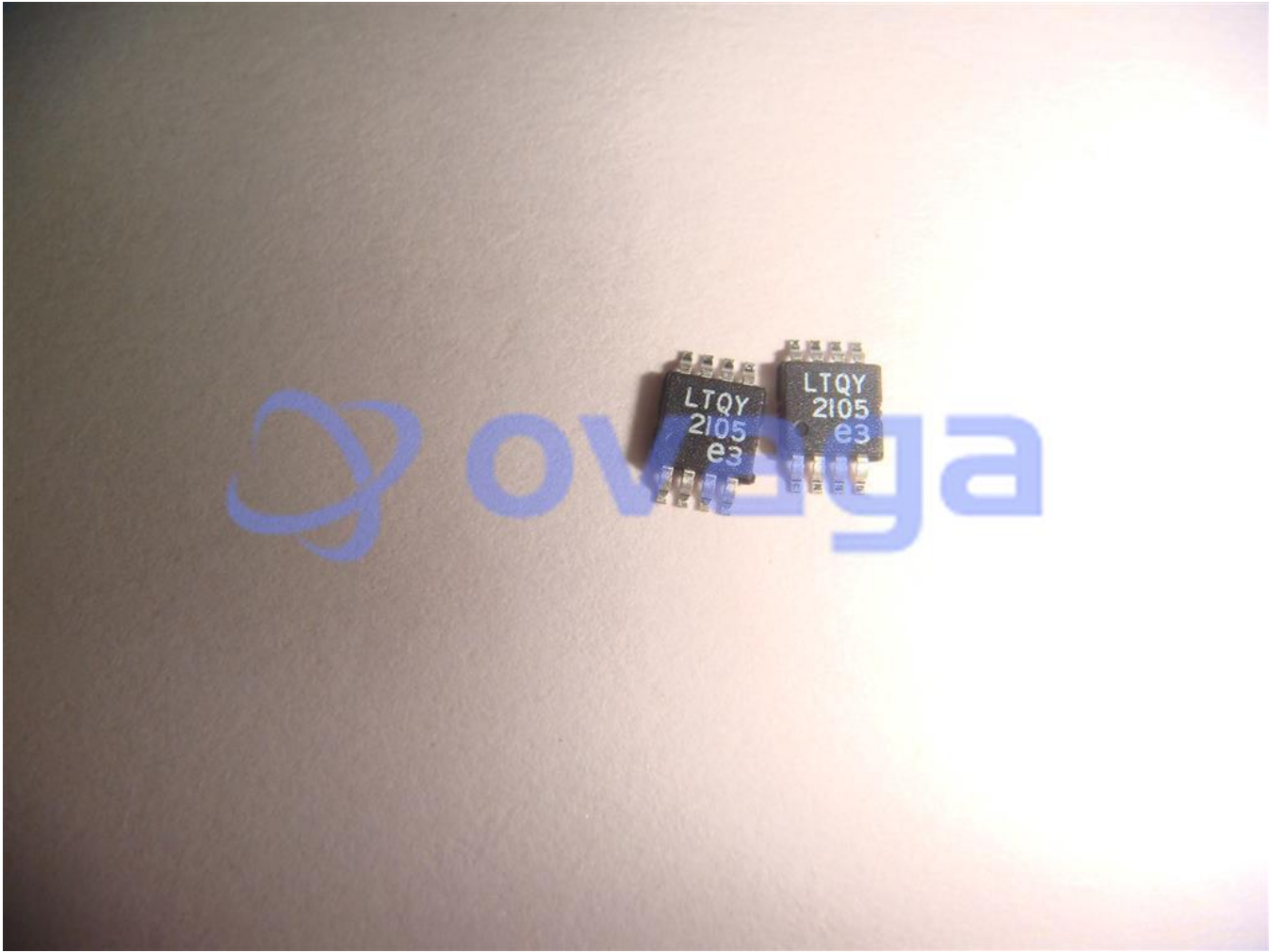
Application

Portable electronic devices: The low dropout voltage, high output current, and wide input voltage range make the LT1961IMS8E suitable for powering portable electronic devices such as smartphones, tablets, and wearable devices.

Industrial and automotive applications: The LT1961IMS8E can be used in various industrial and automotive applications where a stable and regulated power supply is required, such as powering sensors, actuators, and other electronic components.

Embedded systems: The LT1961IMS8E can be used in embedded systems, including microcontroller-based systems, to provide regulated power supply for reliable operation.

Consumer electronics: The LT1961IMS8E can be used in a wide range of consumer electronics applications, including audio/video equipment, gaming consoles, and home appliances, where a stable and regulated power supply is required.





Related Products



[LT3015EQ](#)

Analog Devices, Inc
TO-263



[LTC4357HMS8](#)

Analog Devices, Inc
MSOP-8



[LT5560EDD](#)

Analog Devices, Inc
QFN-8



[LT1764AEFE](#)

Analog Devices, Inc
TSSOP1



[LTC2990IMS](#)

Analog Devices, Inc
MSOP-10



[LT1964ES5-SD#PBF](#)

Analog Devices, Inc
TSOT23



[LT1963AES8](#)

Analog Devices, Inc
SOP-8



[LT1764EQ](#)

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TO-263