

1.5A, Low Noise, Fast Transient Response LDO Regulators

Manufacturers	Analog Devices, Inc
Package/Case	SOT223
Product Type	Discrete Semiconductors
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LT1963AEST-1.5 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

LT1963AEST-1.5 is a specific model of low dropout voltage (LDO) linear regulator manufactured by Linear Technology (now part of Analog Devices), which provides a fixed output voltage of 1.5 volts. It is a high-performance voltage regulator that is designed to provide a stable and regulated output voltage for electronic circuits with low dropout voltage and low output noise.

Features

- Low dropout voltage: Typically 340 mV at 1.5 A load current
- Wide input voltage range: 1.8 V to 20 V
- Output voltage: Fixed 1.5 V
- Maximum output current: 1.5 A
- Low output noise: 30 μ V_{RMS} (10 Hz to 100 kHz)
- Adjustable output voltage with external resistors
- Thermal shutdown and current limit protection
- Small package: SOT-223

Application

- Power supply regulation for low voltage microprocessors and microcontrollers
- Voltage regulation for battery-powered devices
- Voltage regulation for FPGA, DSP, and other sensitive electronic components
- Voltage regulation for industrial and automotive applications
- Voltage regulation for wireless communication devices
- Voltage regulation for portable consumer electronics



Related Products



[LT1129CST-5](#)

Analog Devices, Inc
SOT223



[LT1716HS5](#)

Analog Devices, Inc
SOT23-5



[LT1716HS5#PBF](#)

Analog Devices, Inc
SOT-23



[LT1587CM](#)

Analog Devices, Inc
SOT263-3



[LT1381CS](#)

Analog Devices, Inc
SOP-16



[LTC3560ES6](#)

Analog Devices, Inc
SOT23



[LTC4440ES6](#)

Analog Devices, Inc
SOT23-6



[LT1185CT](#)

Analog Devices, Inc
TO-220