

LDO Regulator Pos 1.21V to 20V 1.5A Automotive 8-Pin SOIC N Tube

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOP-8
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT1963AES8#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LT1963A series are low dropout regulators optimized for fast transient response. The devices are capable of supplying 1.5A of output current with a dropout voltage of 340mV. Operating quiescent current is 1mA, dropping to <math><1\mu\text{A}</math> in shutdown. Quiescent current is well controlled; it does not rise in dropout as it does with many other regulators. In addition to fast transient response, the LT1963A regulators have very low output noise which makes them ideal for sensitive RF supply applications.

Output voltage range is from 1.21V to 20V. The LT1963A regulators are stable with output capacitors as low as 10 $\mu\text{F}$ . Internal protection circuitry includes reverse battery protection, current limiting, thermal limiting and reverse current protection. The devices are available in fixed output voltages of 1.5V, 1.8V, 2.5V, 3.3V and as an adjustable device with a 1.21V reference voltage. The LT1963A regulators are available in 5-lead TO-220, DD, 3-lead SOT-223, 8-lead SO and 16-lead TSSOP packages.

FeaturesLT1963-LT1963AStable With Ceramic Output Capacitors

## Features

Optimized for Fast Transient Response

Output Current: 1.5A

Dropout Voltage: 340mV

Low Noise: 40 $\mu$ V<sub>RMS</sub> (10Hz to 100kHz)

1mA Quiescent Current

Controlled Quiescent Current in Dropout

Fixed Output Voltages: 1.5V, 1.8V, 2.5V, 3.3V

Adjustable Output from 1.21V to 20V

Stable with 10 $\mu$ F Output Capacitor\*

Stable with Ceramic Capacitors\*

Reverse Battery Protection

No Reverse Current

Thermal Limiting

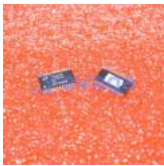
5-Lead TO-220, DD, 3-Lead SOT-223 and 8-Lead SO Packages

## Application

3.3V to 2.5V Logic Power Supplies

Post Regulator for Switching Supplies

## Related Products



### [LT3763EFE](#)

Analog Devices, Inc  
TSSOP28



### [LTC4417IUF](#)

Analog Devices, Inc  
QFN-24



### [LTC1966CMS8#PBF](#)

Analog Devices, Inc  
MSOP-8P



### [LTM8045EX#PBF](#)

Analog Devices, Inc  
BGA40



### [LT1038CK](#)

Analog Devices, Inc  
TO-3



### [LTC3440EMS](#)

Analog Devices, Inc  
MSOP10



### [LTC2990IMS#PBF](#)

Analog Devices, Inc  
10MSOP



### [LT4295IUFD#PBF](#)

Analog Devices, Inc  
28-WFQFN