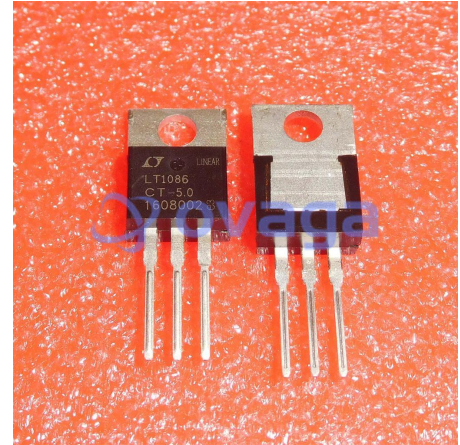


LDO Regulator Pos 5V 1.5A 3-Pin(3+Tab) TO-220 Tube

Manufacturers	Analog Devices, Inc
Package/Case	TO-220
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT1086CT-5#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT1086 is designed to provide up to 1.5A output current. All internal circuitry is designed to operate down to 1V input-to-output differential and the dropout voltage is fully specified as a function of load current. Dropout is guaranteed at several operating points up to a maximum of 1.5V at maximum output current. Dropout decreases at lower load currents. On-chip trimming adjusts the reference/output voltage to 1%. Current limit is also trimmed, minimizing the stress on both the regulator and powersource circuitry under overload conditions.

The LT1086 is pin compatible with older 3-terminal adjustable regulators. A minimum 10 μ F output capacitor is required on these devices.

The LT1086 offers excellent line and load regulation specifications and ripple rejection exceeds 75dB even at the maximum load current of 1.5A. The LT1086 is floating architecture with a composite NPN output stage. All of the quiescent current and the drive current for the output stage flows to the load increasing efficiency.

The LT1086 is available in a 3-pin TO-220 package and a space-saving surface mountable 3-pin DD package.

Features

3-Terminal Adjustable or Fixed 2.85V, 3.3V, 3.6V, 5V, 12V

Output Current of 1.5A, (0.5A for LT1086H)

Operates Down to 1V Dropout

Guaranteed Dropout Voltage at Multiple Current Levels

Line Regulation: 0.015%

Load Regulation: 0.1%

100% Thermal Limit Functional Test

Ripple Rejection >75dB

Available in 3-Pin TO-220 and 3-Pin DD Package

Application

SCSI-2 Active Terminator

High Efficiency Linear Regulators

Post Regulators for Switching Supplies

Constant Current Regulators

Battery Chargers

Microprocessor Supply



Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LT1038CK](#)

Analog Devices, Inc
TO-3



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC3440EMS](#)

Analog Devices, Inc
MSOP10



[LTC1966CMS8#PBF](#)

Analog Devices, Inc
MSOP-8P



[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LTM8045EY#PBF](#)

Analog Devices, Inc
BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN