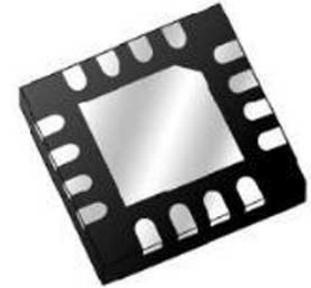


Conv DC-DC 1.8V to 5.5V Non-Inv/Inv/Step Up/Step Down Single-Out 1.8V to 5.5V 3A
16-Pin DFN EP Tube

Manufacturers	Analog Devices, Inc
Package/Case	QFN16
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC3113EDHD#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC3113 is a wide VIN range, highly efficient, fixed frequency, buck-boost DC/DC converter that operates from input voltages above, below or equal to the output voltage. The topology incorporated in the IC provides low noise operation, making it well suited for RF and precision measurement applications.

The LTC3113 can deliver up to 3A of continuous output current to satisfy the most demanding applications. Higher output current is possible in stepdown (buck) mode. Integrated low RDS(ON) power MOSFETs and a programmable switching frequency up to 2MHz result in a compact solution footprint. Selectable Burst Mode operation improves efficiency at light loads.

Other features include $<1\mu\text{A}$ shutdown current, integrated soft-start, short-circuit protection, current limit and thermal overload protection. The LTC3113 is housed in the thermally enhanced 16-lead ($4\text{mm} \times 5\text{mm} \times 0.75\text{mm}$) DFN and 20-lead TSSOP packages.

Features

Regulated Output with Input Voltage Above, Below or Equal to the Output Voltage

1.8V to 5.5V Input and Output Voltage Range

3A Continuous Output Current $V_{IN} > 3.0V$,>

1.5A Continuous Output Current for $V_{IN} \geq 1.8V$,>

Single Inductor

Low Noise Buck-Boost Architecture

Up to 96% Efficiency

Programmable Frequency from 300kHz to 2MHz

Selectable Burst Mode® Operation

Output Disconnect in Shutdown

Shutdown Current: $< 1\mu A$

Internal Soft-Start

Small, Thermally Enhanced 16-Lead (4mm × 5mm × 0.75mm) DFN Package and 20-Lead TSSOP Package

Application

Wireless Modems

Backup Power Systems

Portable Inventory Terminals

Portable Barcode Readers

Portable Instrumentation

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