LTC3127EDD#PBF

Data Sheet

Conv DC-DC 1.8V to 5.5V Non-Inv/Inv/Step Up/Step Down Single-Out 1.8V to 5.25V 1A
10-Pin DFN EP Tube

Manufacturers	Analog Devices, Inc
Package/Case	DFN10
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	

Images are for reference only

Please submit RFQ for LTC3127EDD#PBF or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The LTC3127 is a wide VIN range, highly efficient, 1.35MHz fixed frequency buck-boost DC/DC converter that operates from input voltages above, below or equal to the output voltage. The LTC3127 features programmable average input current limit, making it ideal for power-limited input sources. The input current limit is programmed with a single resistor and is accurate from 0.2A to 1A of average input current.

The topology incorporated provides a continuous transfer function through all operating modes. Other features include <1µA shutdown current, pin-selectable Burst Mode operation and thermal overload protection. The LTC3127 is housed in thermally enhanced 10-lead (3mm × 3mm × 0.75mm) DFN packages and 12-lead MSOP packages.

Features

Programmable (0.2A to 1A) ±4% Accurate Average Input Current Limit

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

1.8V to 5.5V (Input) and 1.8V to 5.25V (Output) Voltage Range

0.6A Continuous Output Current: VIN > 1.8V

1A Continuous Output Current: VIN > 3V

Single Inductor

Synchronous Rectification: Up to 96% Efficiency

Burst Mode® Operation:>

Output Disconnect in Shutdown

Small, Thermally Enhanced 10-Lead (3mm × 3mm × 0.75mm) DFN and 12-Lead MSOP Packages

Application

USB Powered GSM Modems

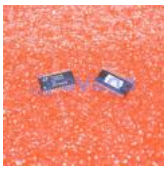
Supercap Charger

Handheld Test Instruments

PC Card Modems

Wireless Terminals

Related Products



LT3763EFE

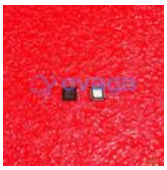
Analog Devices, Inc

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