

IC REG CTRLR BUCK PWM CM 8-SOIC

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOP8
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC1622IS8#TRPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTC1622 is a constant frequency current mode step-down DC/DC controller providing excellent AC and DC load and line regulation. The device incorporates an accurate undervoltage feature that shuts the LTC1622 down when the input voltage falls below 2V.

The LTC1622 boasts a  $\pm 1.9\%$  output voltage accuracy and consumes only  $350\mu\text{A}$  of quiescent current. For applications where efficiency is a prime consideration and the load current varies from light to heavy, the LTC1622 can be configured for Burst Mode™ operation. Burst Mode operation enhances low current efficiency and extends battery run time. Burst Mode operation is inhibited during synchronization or when the SYNC/MODE pin is pulled low to reduce noise and possible RF interference.

High constant operating frequency of 550kHz allows the use of a small inductor. The device can also be synchronized up to 750kHz for special applications. The high frequency operation and the available 8-lead MSOP package create a high performance solution in an extremely small amount of PCB area.

To further maximize the life of the battery source, the P-channel MOSFET is turned on continuously in dropout (100% duty cycle). In shutdown, the device draws a mere  $15\mu\text{A}$ .

## Features

High Efficiency

Constant Frequency 550kHz Operation

VIN Range: 2V to 10V

Multiampere Output Currents

OPTI-LOOP™ Compensation Minimizes COUT

Selectable, Burst Mode Operation

Low Dropout Operation: 100% Duty Cycle

Synchronizable up to 750kHz

Current Mode Operation for Excellent Line and Load Transient Response

Low Quiescent Current: 350μA

Shutdown Mode Draws Only 15μA Supply Current

Available in 8-Lead MSOP

## Application

1- or 2-Cell Li-Ion Powered Applications

Cellular Telephones

Wireless Modems

Portable Computers

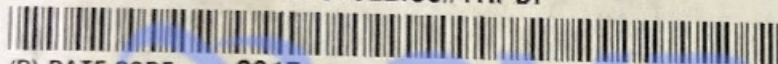
Distributed 3.3V, 2.5V or 1.8V Power Systems

Scanners

Battery-Powered Equipment



(1P) SUPP PROD ID: LTC1622IS8#TRPBF



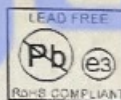
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(1T) LOT NO: 527724.1

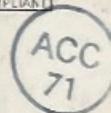
(Q) QTY: 464

(4L) COUNTRY OF ORIGIN: MY



PACK DATE: 21APR09

PLT: N  
MC: S06

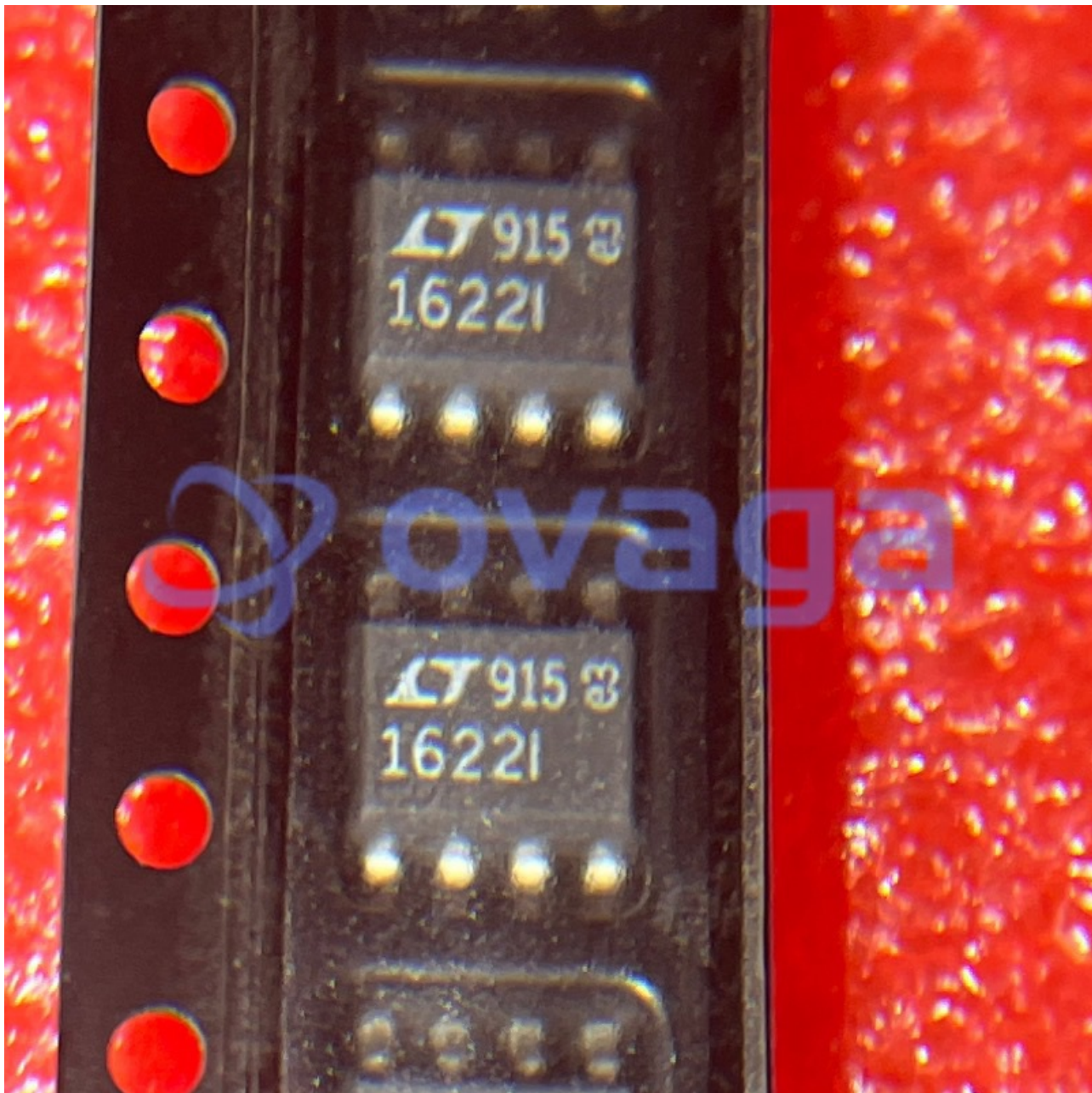


US and/ or Int' / Patent No.:

Optr: 01465

EP0617501B1 5731694 5481178

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## Related Products



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