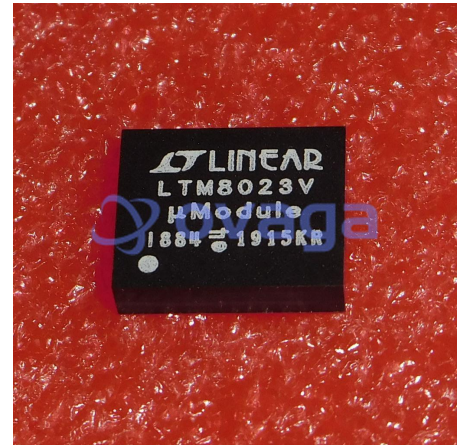


2A, 36V DC/DC μ Module; Package: LGA; No of Pins: 50; Temperature Range: -40°C to +85°C

Manufacturers	Analog Devices, Inc
Package/Case	LGA50
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTM8023IV#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTM8023 is a complete 2A, DC/DC step-down power supply. Included in the package are the switching controller, power switches, inductor, and all support components. Operating over an input voltage range of 3.6V to 36V, the LTM8023 supports an output voltage range of 0.8V to 10V, and a switching frequency range of 200kHz to 2.4MHz, each set by a single resistor. Only the bulk input and output filter capacitors are needed to finish the design.

The low profile package enables utilization of unused space on the bottom of PC boards for high density point of load regulation.

The LTM8023 is packaged in a thermally enhanced, compact and low profile over-molded land grid array (LGA) and ball grid array (BGA) packages suitable for automated assembly by standard surface mount equipment. The LTM8023 is available with SnPb (BGA) or RoHS compliant terminal finish.

Features

Complete Step-Down Switch Mode Power Supply

Wide Input Voltage Range: 3.6V to 36V

2A Output Current

0.8V to 10V Output Voltage

Selectable Switching Frequency: 200kHz to 2.4MHz

Current Mode Control

Programmable Soft-Start

SnPb (BGA) or RoHS Compliant (LGA and BGA) Finish

Tiny, Low Profile, Surface Mount LGA (9mm × 11.25mm × 2.82mm) and BGA (9mm × 11.25mm × 3.42mm) Packages

Application

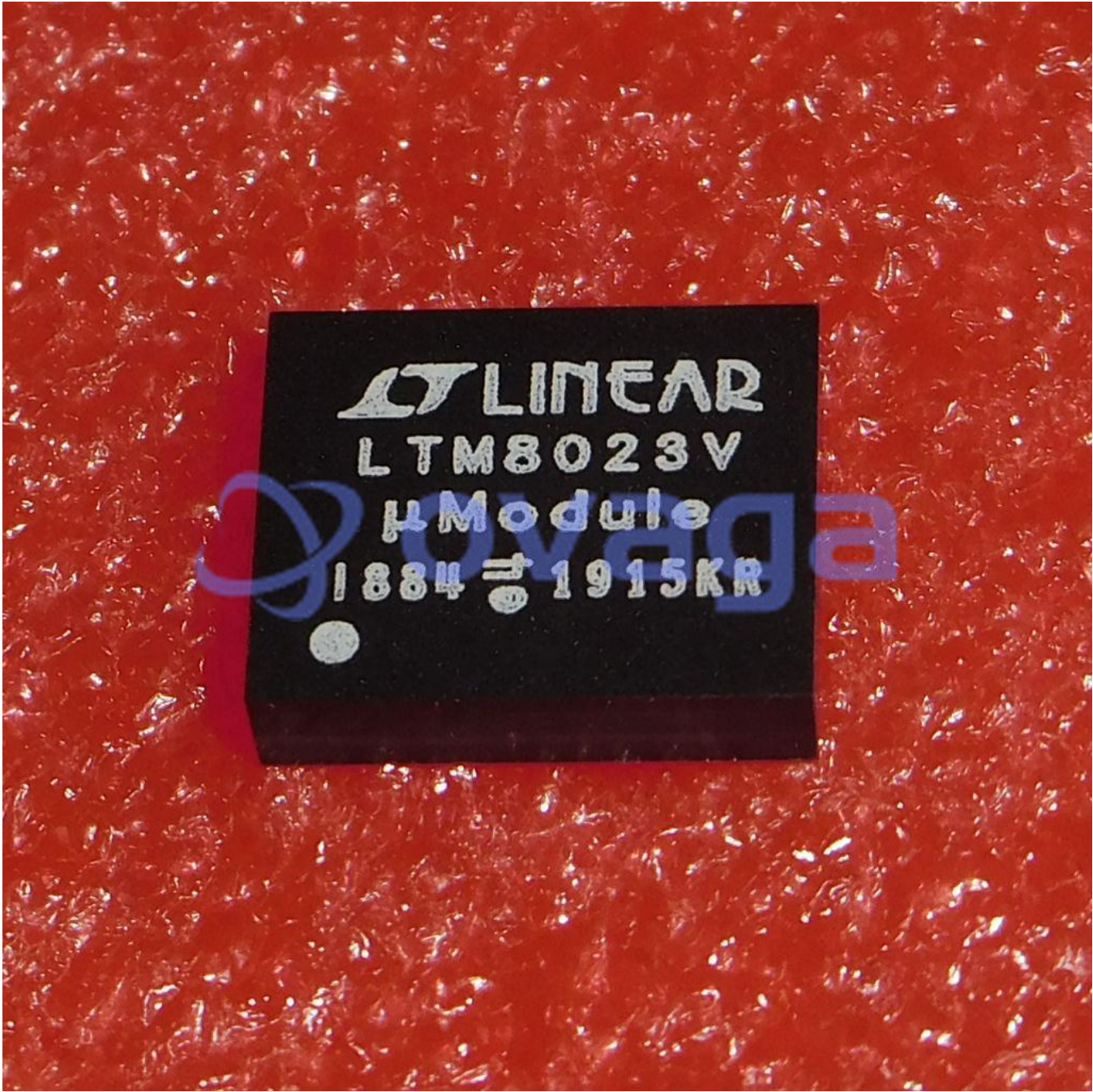
Automotive Battery Regulation

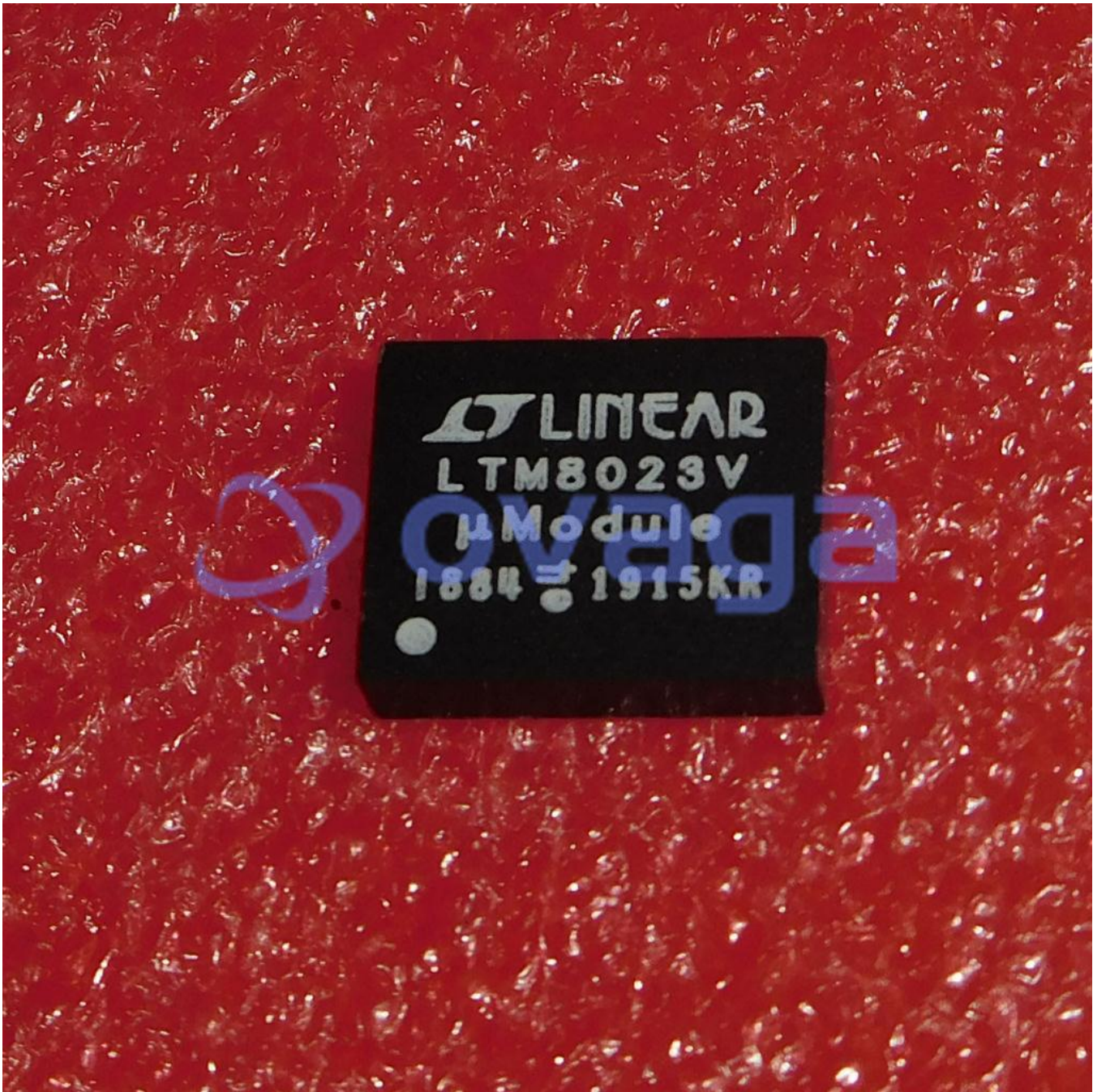
Power for Portable Products

Distributed Supply Regulation

Industrial Supplies

Wall Transformer Regulation





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