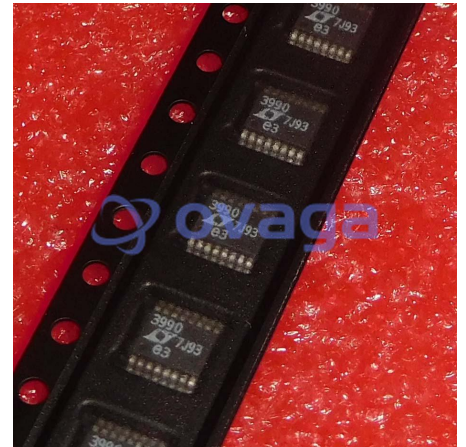


Switching Voltage Regulators 60V, 350mA Step-Down Regulator with 2uA Quiescent Current and Integrated Diodes in MS16E

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP16
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LT3990EMSE#TRPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT3990 is an adjustable frequency monolithic buck switching regulator that accepts a wide input voltage range up to 62V, and consumes only 2.5 μ A of quiescent current. A high efficiency switch is included on the die along with the catch diode, boost diode, and the necessary oscillator, control and logic circuitry. Low ripple Burst Mode operation maintains high efficiency at low output currents while keeping the output ripple below 5mV in a typical application. Current mode topology is used for fast transient response and good loop stability. A catch diode current limit provides protection against shorted outputs and overvoltage conditions. An accurate programmable undervoltage lockout feature is available, producing a low shutdown current of 0.7 μ A. A power good flag signals when VOUT reaches 90% of the programmed output voltage. The LT3990 is available in small, thermally enhanced 16-pin MSOP and 3mm \times 3mm DFN packages.

Features

Low Ripple Burst Mode® Operation

2.5µA IQ at 12VIN to 3.3VOUT

Output Ripple < 5mVP-P

Wide Input Voltage Range: 4.2V to 62V Operating

Adjustable Switching Frequency: 200kHz to 2.2MHz

Integrated Boost and Catch Diodes

350mA Output Current

Fixed Output Voltages:

3.3V, 5V

2µA IQ at 12VIN

Accurate Programmable Undervoltage Lockout

FMEA Fault Tolerant (MSOP Package)

Output Stays at or Below Regulation Voltage During

Adjacent Pin Short or When a Pin is Left Floating

Low Shutdown Current:>

Internal Sense Limits Catch Diode Current

Power Good Flag

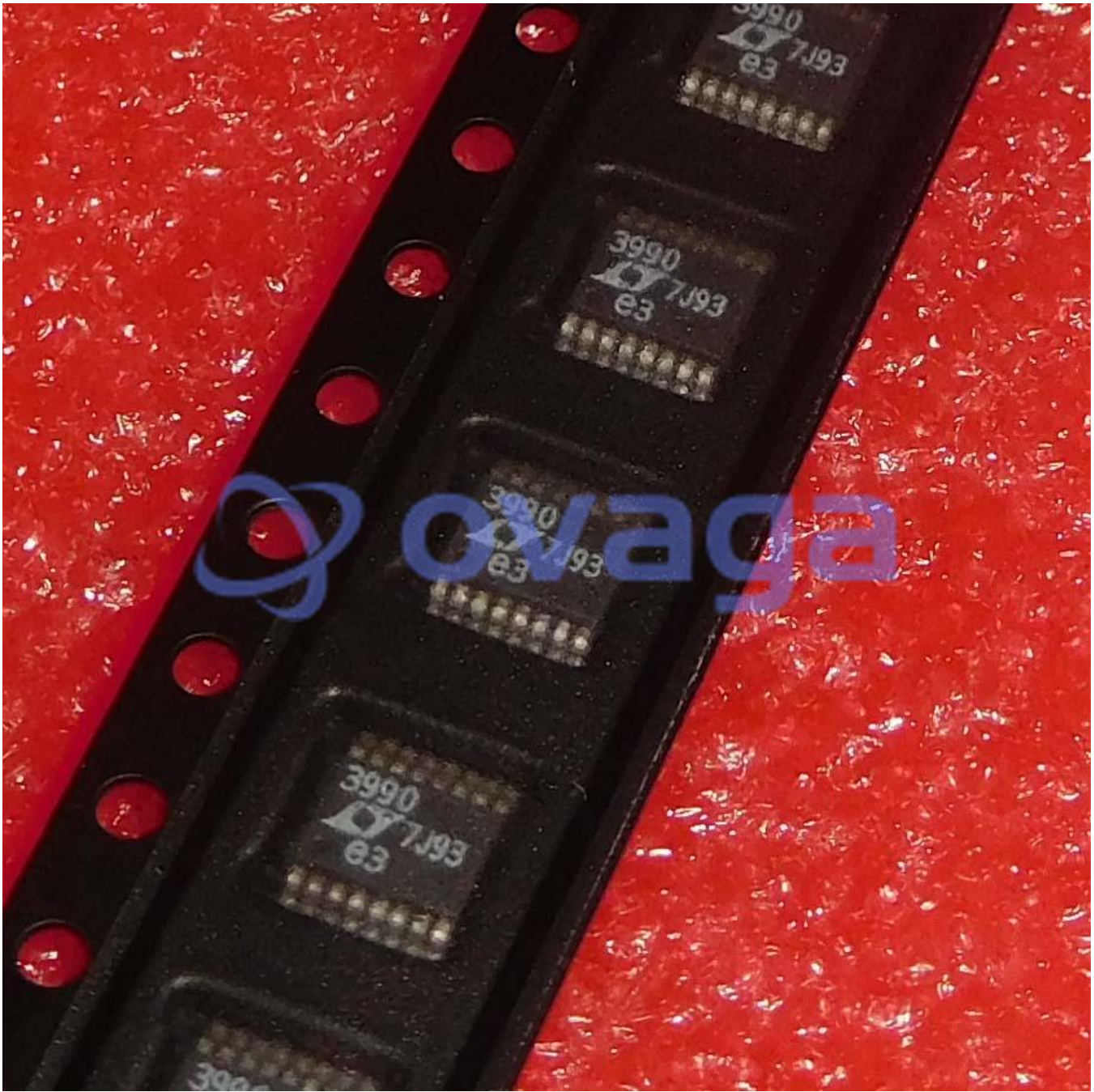
Small, Thermally Enhanced 16-Pin MSOP and (3mm × 3mm) DFN Packages

Application

Automotive Battery Regulation

Power for Portable Products

Industrial Supplies



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