


Charge Pump INV -2.9V to -3.15V 125mA 8-Pin SOIC N

Manufacturer:	<u>Maxim Integrated</u>
Package/Case:	SOP8
Product Type:	Power Management ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

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General Description

The MAX1673 charge-pump inverter provides a low-cost, compact means of generating a regulated negative output from a positive input at up to 125mA. It requires only three small capacitors, and only two resistors to set its output voltage. The input range is 2V to 5.5V. The regulated output can be set from 0V to $-V_{IN}$ in Skip regulation mode or -1.5V to $-V_{IN}$ in Linear (LIN) regulation mode. In Skip mode, the MAX1673 regulates by varying its switching frequency as a function of load current. This On-Demand? switching gives the MAX1673 two advantages: very small capacitors and very low quiescent supply current. At heavy loads, it transfers energy from the input to the output by switching at up to 350kHz. It switches more slowly at light loads, using only 35 μ A quiescent supply current.

Application

This device also features a 1 μ A logic-controlled shutdown mode and is available in a standard 8-pin SO package. For a device that delivers about 10mA and fits in a smaller package, refer to the MAX868.

Applications

Analog Signal Processing

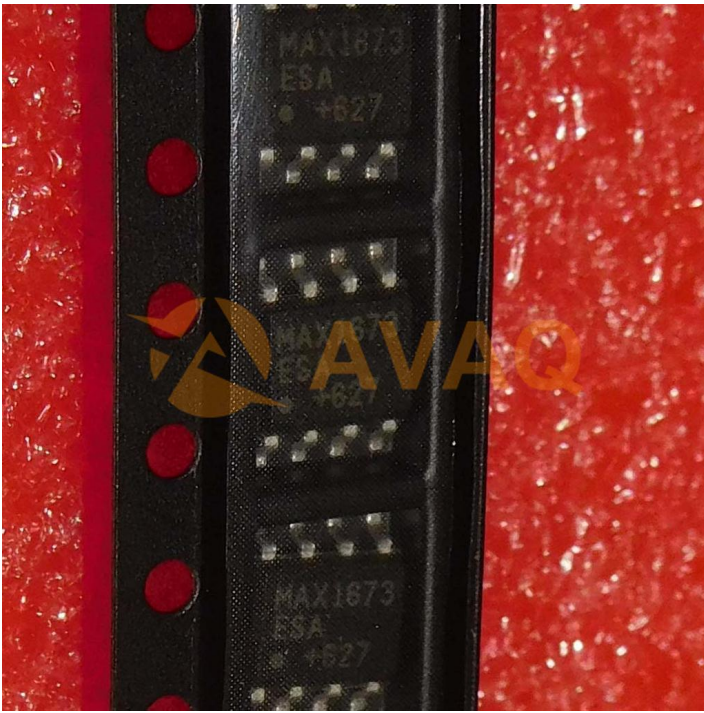
Camcorders

Digital Still Cameras

Hard Disk Drive

Measurement Instrumentation

Modems



Recommended For You

MAX1636EAP

Maxim Integrated

SSOP20

MAX1758EAI+

Maxim Integrated

SSOP28

MAX1682EUK+T

Maxim Integrated

SOT23-5

MAX1720EUT+T

Maxim Integrated

SOT23-6

MAX845ESA+T

Maxim Integrated

SOP-8

MAX1681ESA+

Maxim Integrated

SOP-8

MAX17113EIL+

Maxim Integrated

QFN

MAX690CPA+

Maxim Integrated

DIP8

MAX690MJA

Maxim Integrated

CDIP8

MAX6107EUR+T

Maxim Integrated

SOT23-3

MAX5920BESA+

Maxim Integrated

SOP-8

MAX5922AEUI+

Maxim Integrated

TSSOP28

MAX5900ABETT+T

Maxim Integrated

TDFN-6

MAX5903LBOUT

Maxim Integrated

SOT23-6

MAX860ESA+

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