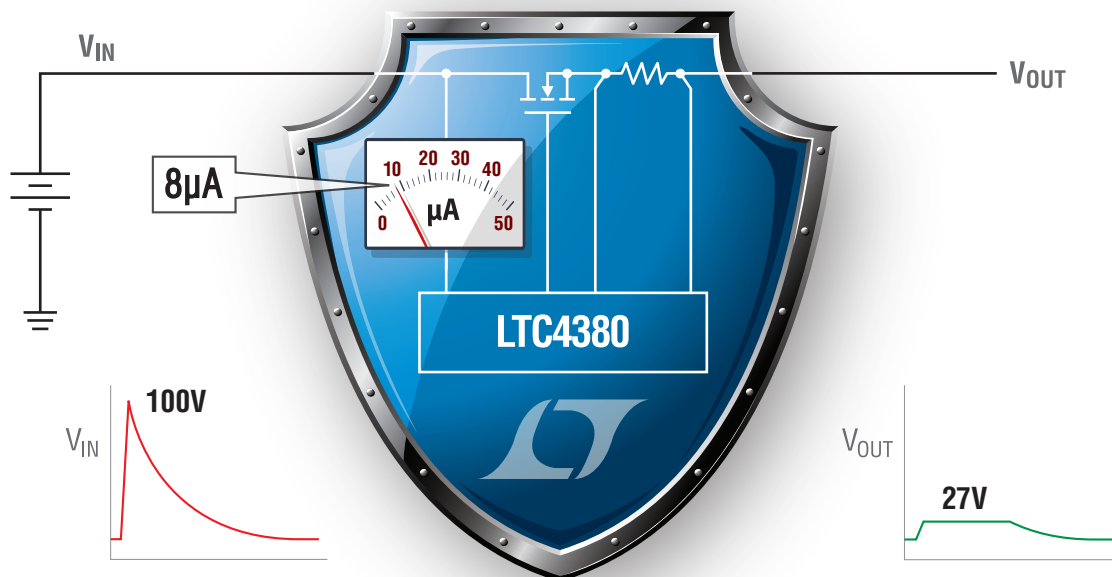


# Micropower Surge Stopper

Overvoltage & Overcurrent Protection with Extended Battery Life



The LTC<sup>®</sup>4380 surge stopper shields downstream circuitry from destructive voltage and current surges. This comprehensive protection IC provides surge ride-through from transients above 100V in a compact footprint. An accurate output clamp is pin-selectable for 12V or 24V/28V systems, or can be flexibly adjusted using an input Zener, allowing the use of lower voltage rated, cost-effective downstream components. With device current consumption of just 8µA in normal operation and 6µA in shutdown mode, always-on battery powered applications benefit from prolonged battery life.

## Features

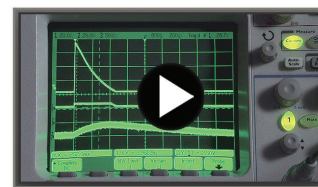
- Withstands Surges Above 100V
- Low 8µA I<sub>Q</sub>, 6µA in Shutdown
- 4V to 72V Operation
- Survives -60V Reverse Input
- Adjustable Clamp Voltage
- MOSFET Stress Accelerated Timer
- Low 0.1% Retry Duty Cycle
- -40°C to 125°C Operation
- 10-Pin MSOP & 3mm x 3mm DFN Packages

## LTC4380 Options

OPTION	GATE CLAMP	FAULT BEHAVIOR
-1	Internal 31.5V/ 50V to GND	Latchoff
-2	Internal 31.5V/ 50V to GND	Auto Retry
-3	Externally Adjustable	Latchoff
-4	Externally Adjustable	Auto Retry

## Info & Free Samples

[www.linear.com/product/4380](http://www.linear.com/product/4380)  
1-800-4-LINEAR



[video.linear.com/5674](http://video.linear.com/5674)

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