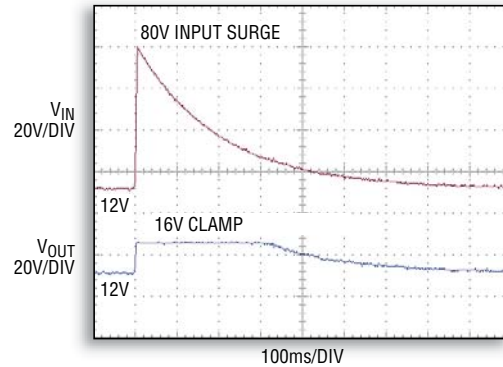
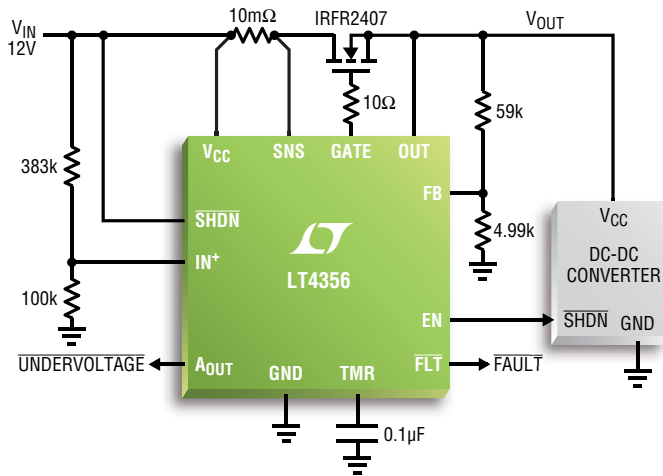


Overvoltage Surge Protectors

LT4356 Surge Stopper, Regulates Overvoltage and Overcurrent Surges

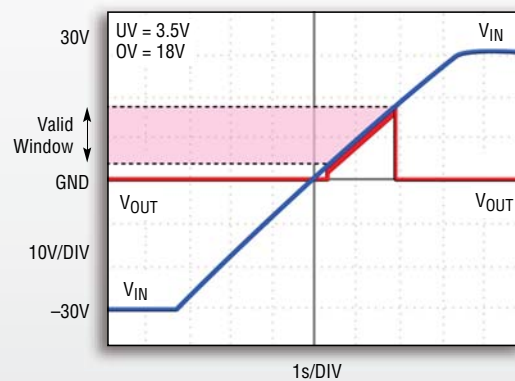
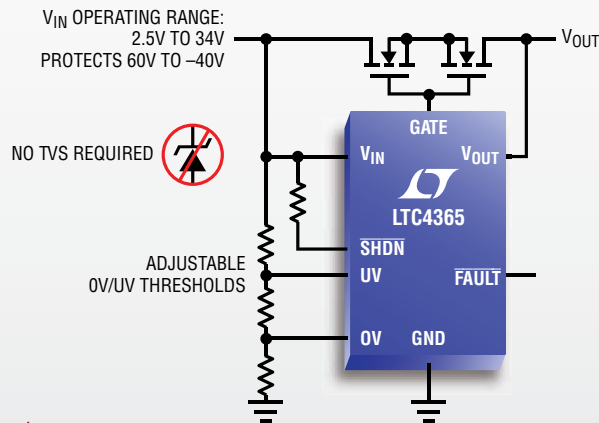


Features

- Wide Operating Range: 4V to 80V
- Adjustable Output Clamp Voltage
- Reverse Input Protection to -60V
- Adjustable Fault Timer
- Overcurrent Protection
- Inrush Limiting
- Auxiliary Amplifier
- 40°C to 125°C Operation

	LT4356-1	LT4356-2	LT4356-3
Shutdown Current	7μA	60μA	7μA
Aux. Amp in Shutdown	OFF	ON	OFF
Fault Retry	Retry	Retry	Latchoff
Temperature Grades	C, I, H, MP	C, I, H, MP	C, I, H
Packages	4 × 3 DFN-12 MSOP-10 SO-16	4 × 3 DFN-12 SO-16	4 × 3 DFN-12 MSOP-10 SO-16

LTC4365 UV, OV and Reverse Supply Protection Controller



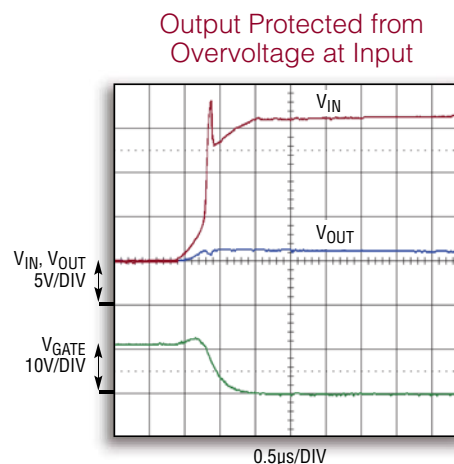
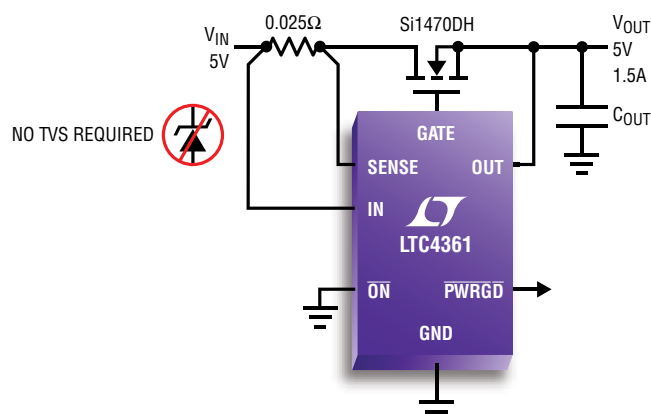
Features

- Low Operating Current: 125μA
- Low Shutdown Current: 10μA
- Blocks 50Hz and 60Hz AC Power
- 40°C to 125°C Operation
- 8-Lead, 3mm × 2mm DFN and TSOT-23 Packages



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LTC4360/LTC4361/LTC4362 Overvoltage/Overcurrent Protection Controllers



The LTC®4360/LTC®4361/LTC®4362 are overvoltage protection devices designed to safeguard low voltage, portable electronics from damaging input voltage transients and current surges. The LTC4360/LTC4361 utilize a 2% accurate 5.8V overvoltage threshold to detect an overvoltage event and responds within 1μs to isolate the downstream components from the input. Overvoltage protection of up to 80V can be achieved with this simple IC/MOSFET solution without the need for additional protection components. In addition the LTC4361 offers a 10% accurate overcurrent circuit breaker. The LTC4362 is a 1.2A overvoltage/overcurrent protector that includes an internal 40mΩ N-channel MOSFET and current sense resistor in series with the input power supply. All three products offer a GATEP output pin for controlling an additional P-channel MOSFET to provide negative input voltage protection.

Applications

- USB Protection
- Cell/Smart Phones
- MP3/MP4 Players
- Digital Cameras

	LTC4360-1 Overvoltage Protection Controller	LTC4360-2 Overvoltage Protection Controller	LTC4361-1/-2 Overvoltage/ Overcurrent Protection Controller	LTC4362-1/-2 Overvoltage/ Overcurrent Protector
Input Voltage Range	2.5V to 80V	2.5V to 80V	2.5V to 80V	2.5V to 28V
Overvoltage Trip Level	5.8V	5.8V	5.8V	5.8V
N-Channel MOSFET	External	External	External	Internal, 40mΩ Switch
Reverse Voltage Protection	No	Yes	Yes	Yes
Overcurrent Protection	No	No	Yes, Adjustable	Yes, 1.5A
Overcurrent Fault Retry	–	–	Latchoff/ Auto-Retry	Latchoff/ Auto-Retry
Low Current Shutdown	Yes	No	Yes	Yes
Power Good Output	Yes	Yes	Yes	Yes
Packages	SC70-8	SC70-8	TSOT-8 2 × 2 DFN-8	2 × 3 DFN-8

