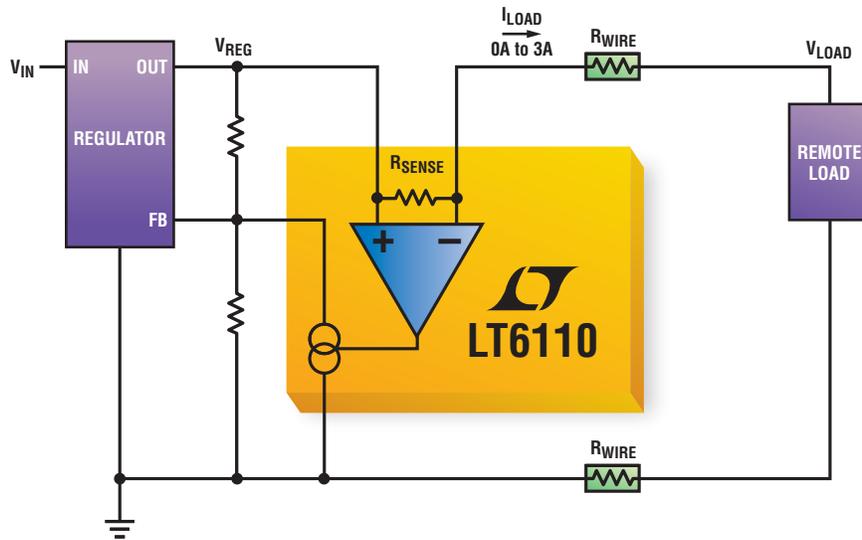


Wire Drop Compensator

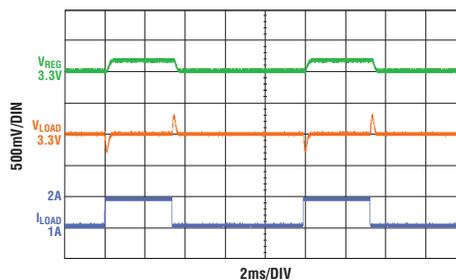


Dynamically Compensate for Voltage Drop Between Power Supply and Load

Connecting a power supply to a load is not always simple. Voltage drop due to wires, cables, connectors and circuit board traces can cause considerable regulation errors at the load. The LT[®]6110 Wire Drop Compensator reduces voltage drop by dynamically adjusting a regulator's output based on load current. The LT6110 operates on supply voltages from 2V to 50V, and controls standard feedback regulators and "current source" reference devices, such as Linear Technology's LT3080. This tiny, low cost device ensures worry-free connection from power supply to load.

Features

- Easy to Implement
- Works with any Type of Regulator
- Improves Remote Load Reg by 10x
- Allows the use of Thinner Wire
- Integrated Sense Resistor for up to 3A
- Works with External Sense Resistor
- 2V to 50V Supply Range
- 30 μ A Maximum Supply Current
- Small Footprint

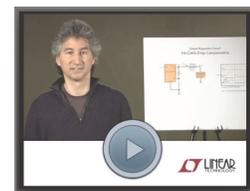


Voltage at a Remote Load
With and Without
Wire Drop Compensation

Info & Free Samples

www.linear.com/product/LT6110

1-800-4-LINEAR



video.linear.com/1142

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