

Current Sense Circuit Collection

Making Sense of Current

Tim Regan, Editor

INTRODUCTION

Sensing and/or controlling current flow is a fundamental requirement in many electronics systems, and the techniques to do so are as diverse as the applications themselves. This Application Note compiles solutions to current sensing problems and organizes the solutions by general application type. These circuits have been culled from a variety of Linear Technology documents.

Circuits Organized by General Application

Each chapter collects together applications that tend to solve a similar general problem, such as high side current sensing, or negative supply sensing. The chapters are titled accordingly (see “Circuit Collection Index” below). In this way, the reader has access to many possible solutions to a particular problem in one place.

It is unlikely that any particular circuit shown will exactly meet the requirements for a specific design, but the suggestion of many circuit techniques and devices should prove useful. Specific circuits may appear in several chapters if they have broad application.

This Application Note Will Change


This Application Note is a growing and changing document. Many of the chapters listed below are placeholders for material that will be filled in soon. As the chapters are added, their links will be enabled.

Using the Application Note

Click the name of a chapter in the “Circuit Collection Index” below to open the PDF version of that chapter.

Contributors

Jon Munson, Alexi Sevastopoulos,
Greg Zimmer, Michael Stokowski

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