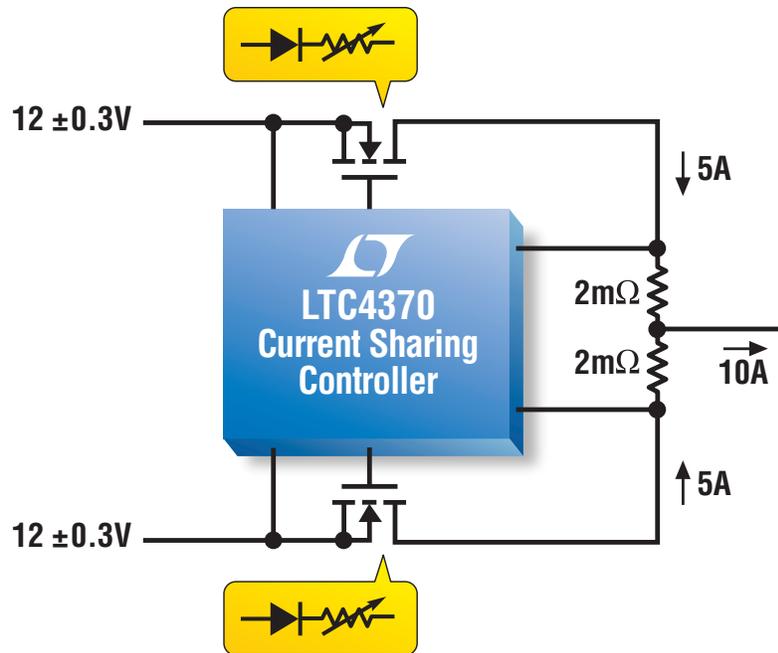


Current Sharing Made Easy



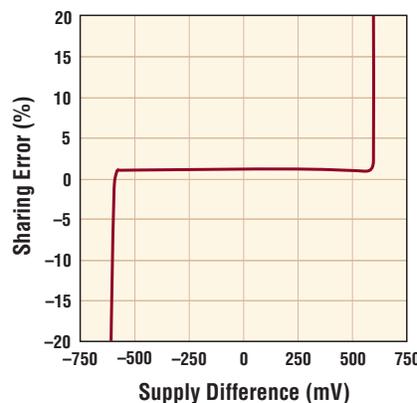
Balances Forward Current, Blocks Reverse Current

The LTC[®]4370 controls N-channel MOSFETs in series with each supply to act like diodes with a variable forward voltage. The forward voltage of the MOSFET is adjusted to offset the mismatch in input supply voltages until the currents from each supply are equal. This provides a simple, supply agnostic, space-saving solution for current sharing between two supplies in high reliability systems. By also incorporating diode blocking behavior, the LTC4370 prevents one supply failure from bringing down the entire system.

Features

- Shares Load Between Two Supplies
- Eliminates Need for Active Control of Input Supplies
- No Share Bus Required
- 0V to 18V High-Side Operation
- Enable Inputs
- MOSFET On Status Outputs
- Dual Ideal Diode Mode
- 16-Pin DFN (4mm × 3mm) & MSOP Packages

Current Sharing Error vs Supply Difference



Info & Free Samples

www.linear.com/product/LTC4370

1-800-4-LINEAR



<http://video.linear.com/121>

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