



The Future of Analog IC Technology®

## MP1010B

### Cold Cathode Fluorescent Lamp Driver

#### DESCRIPTION

The MP1010B is a power solution IC that offers a true complete solution for driving a Cold Cathode Fluorescent Lamps (CCFL). This Power IC converts unregulated DC voltage to a nearly pure sine wave required to ignite and operate the CCFL. Based on proprietary power topology and control techniques it greatly increases the power conversion efficiency.

#### EVALUATION BOARD REFERENCE

Board Number	Dimensions
EV0037	4.00"X x 0.50"Y x 0.37"Z

#### FEATURES

- Integrated Power Switches
- 6.0V to 23V Variable Supply Voltage with Regulated Lamp Current.
- Rated 12W Power Output at 12V Input
- Open Lamp Regulation
- Current and Voltage Feedback Control
- Logic Level Burst Mode Control
- Supports Open/Short Lamp Protection
- Soft-Start
- Short Circuit Protected Output
- High Energy Start Pulse
- Analog and Burst Mode Dimming

#### APPLICATIONS

- LCD Backlight Inverter for Notebook Computers
- Web Pads, GPS, Desktop Displays, Portable DVD, Car Video Display Systems

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The MP1010B is covered by US Patents 6,633,138, 6,316,881, 6,114,814.

#### TYPICAL APPLICATION

