



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	4.0"X x 0.5"Y x 0.4"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

