



The Future of Analog IC Technology™

MP1026

CCFL Driver

For Handheld Display Applications

DESCRIPTION

The MP1026 is a Power IC that offers a complete solution for driving a Cold Cathode Fluorescent Lamp (CCFL). This Power IC converts unregulated DC voltage to a nearly pure sine wave required to ignite and operate the CCFL.

The MP1026 greatly increases power conversion efficiency and supports both analog and burst mode dimming, simplifying the module implementation. The MP1026 offers the following distinct performance advantages:

- More light for less power
- Small board implementation
- Low RF emission
- Low external components cost

The MP1026 is suitable for 2-Cell Li-Ion battery applications using 5V, 9V, or 12V adapters as the power source.

FEATURES

- 4.5V to 14V Power Input (V_{Batt})
- Increase Transformer Reliability
- Open Lamp Timer and Regulation
- Current and Voltage Feedback Control
- Logic Level Burst Mode Control
- Supports Open/Short Lamp Protection
- Soft-Start
- Outputs are Short Circuit Protected
- Allows Burst-Mode Operation
- Improved Line Transient Response
- Tightened Lamp Current Accuracy

APPLICATIONS

- Portable DVD Players
- PDAs
- Camcorders
- Digital Cameras

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The MP1026 is covered by US Patents 6,316,881 and 6,114,814.

TYPICAL APPLICATION

