



CCFL Driver

For Handheld Display Applications

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.

- 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.

- 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

- Portable DVD Players
- PDAs
- Camcorders
- Digital Cameras

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

*D_A, D_B: required for V_{BATT} < 7V
IN4148 or BAT54*

MP1026 TAC SMD