

Low Cost PWM CCFL Controller

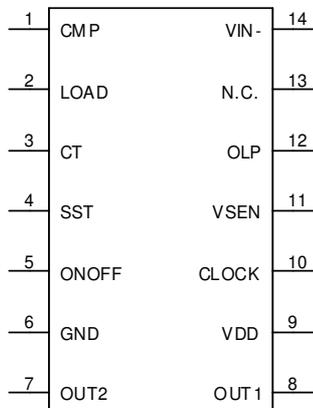
General Description

To aim at the Cold Cathode Fluorescent Lamp (CCFL) applications, BIT3102B integrates all functions required in a single 14-pin chip. The chip provides a fully functioning PWM control circuit with a true load feedback protection. By setting the required time for starting up the load, the fault detection condition can be detected after start-up period. The output load control can be done through a PWM feedback loop. CMOS process reduces the operating current (1mA typical) and NMOS output driving capability enhances the system efficiency.

Features

- PWM Modulation
- Open Lamp Protection
- Internal UVLO (Under Voltage Lock Out) function
- Dimming Control
- CMOS Totem Pole output
- NMOS output driving
- SOP-14 Package

Pin Configuration



Applications

- Cold Cathode Fluorescent Lamps system
- LCD Monitor & TV
- Video Phone/ Door Phone
- Portable Instrumentation
- Personal Digital Assistants
- Automotive Display
- Copiers and Office Equipment
- Medical Equipment