



L001 Dimmable CFL Ballast IC Datasheet

Features

- High efficiency dimmable ballast controller IC
- Internal MOSFET power drivers
- Dim profile matched to incandescent lighting
- Lamp current independent of line voltage and LC component matching
- Under-voltage lockout protection for long lamp life and reliable firing
- Broken lamp and over-current protection without repeated re-fire attempts
- Low stress to bulb during dimming through unique dim method
- Digital filtering of dimmer output improves flicker performance
- Dimmer holding current applied only when needed -> better efficiency
- small 22 pin QFN package
- suitable for 10-27W bulbs
- Exceptionally low inductor and capacitor heating

Description

The L001 provides high-performance CFL ballast control and driver functions (patent pending). Soft start, integrated FET drivers, safety features and digital lamp current control and dimming are included.

