

High Integrated LCD Monitor Backlight Inverter Controller

Description:

OB3306 is a high integrated and high performance Cold Cathode Fluorescent Lamp (CCFL) controller optimized for LCD monitor backlight application. It integrates high precision (2%) 4 channels of current and 1 channel of voltage feedback control, and thus provides a low-cost and high reliability LCD backlight solution with minimum system BOM count. OB3306 controls push pull topology and supports various dimming functions and comprehensive protections.

Applications:

LCD CCFL backlight system in

- LCD monitor

Features:

- Minimal required external components
- Push pull topology
- High precision reference and frequency control
- External programmability of the key parameters
- Flexible Dimming mode Control:
 - Analog dimming control
 - Internal burst dimming control
 - External burst (LPWM) dimming control
 - 0-2V DC voltage direct dimming control without external circuits
 - Dimming range programmable (Max.: 100%~0%)
- Comprehensive Protection Coverage:
 - Output over voltage protection (OVP)
 - Output over current protection (OCP)
 - Open lamp protection and short lamp protection
 - Arcing protection
- Available in SOP16 packages, RoHS compliant

Typical Application:

