

OZ9928

FEATURES

- Dual CCFL inverter controller
- Synchronization for multiple ICs
- Supports differential drive
- Supports system operation frequency synchronization
- Constant operating frequency
- 180 degree phase-shift PWM dimming
- Mixed-mode dimming control
- Integrated high side N-MOSFET driver
- High drive capability
- Selectable shutdown protection mode
- User-defined ignition and shutdown delay timers
- Built-in intelligence for lamp ignition and normal operation of CCFLs
- Open-lamp and over-voltage protection
- Soft start function

GENERAL DESCRIPTION

The OZ9928 is a high performance, cost-effective, 2-channel controller designed for large-size Cold Cathode Fluorescent Lamp (CCFL) or External Electrode Fluorescent Lamp (EEFL) LCD TV applications.

The controller provides six drive signals and is capable of driving full-bridge and Class-D topologies. The drive outputs are fixed phase when used for single-side or differential drive applications. Multiple OZ9928s can be synchronized to drive numerous lamps.

OZ9928 provides total system protection for differential drive and single-side drive applications. It receives either a DC voltage and/or external Pulse Width Modulation (PWM) signal to perform mixed-mode PWM dimming.

APPLICATIONS

- LCD TV

APPLICATION DIAGRAM

