

# OZ9928

## FEATURES

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

## GENERAL DESCRIPTION

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) Liquid Crystal Display Television (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.

## APPLICATIONS

- LCD TV

## APPLICATION DIAGRAM

