OZ9919

FEATURES

- Supports half-bridge or push-pull topology
- 0% to 100% PWM dimming range
- Constant operating frequency
- Drives positive/negative-impedance lamps during ignition
- High drive current for external MOSFETs
- User-defined ignition time and shutdown delay time
- Built-in intelligence for lamp ignition and normal operation of CCFLs
- Open-lamp and over-voltage protection
- Soft-start function

GENERAL DESCRIPTION

OZ9919 is a high performance, cost-effective Cold Cathode Fluorescent Lamp (CCFL) controller designed to drive large-size LCD monitors using 2 or 4 CCFLs.

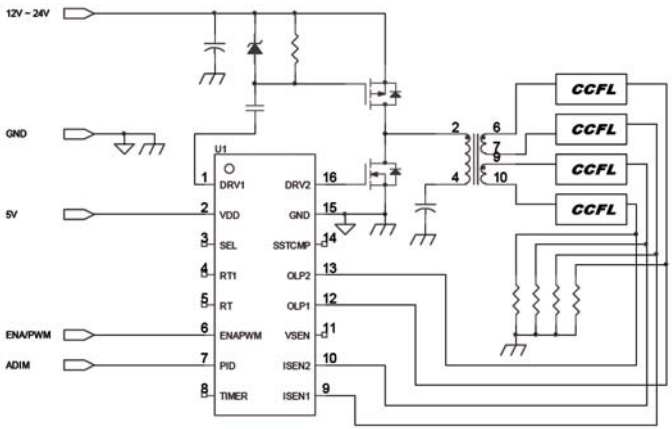
This controller converts an unregulated DC voltage into a nearly sinusoidal lamp voltage and current waveforms. It supports either half-bridge or push-pull power conversion topology, while maintaining high efficiency operation.

The OZ9919 offers a high level of integration, while maintaining flexibility and high efficiency operation that reduces external component heating, resulting in higher reliability and longer CCFL life. The proprietary design technique provides a simple, low-cost system solution.

APPLICATIONS

- LCD Monitor

APPLICATION DIAGRAM



U.S. Patent #'s 6,259,615; 6,396,722; 6,559,606; 6,804,129; 6,809,938; 6,856,519; 6,897,698; 6,900,993; 7,026,860; 7,120,035; 7,151,394; 7,394,209; 7,417,382; 7,515,445; 7,515,446; 7,777,425; and more patents pending.