

OZ9998B

FEATURES

- High power DC/DC boost converter controller
- Drives up to 4 strings in parallel, up to 160mA per string
- Integrated LED current balance control circuit
- External PWM dimming control
- Time-shift PWM phase dimming control for low audible noise
- MOSFET over-current protection
- LED short circuit and open string protection
- Thermal protection
- LED fault status output

GENERAL DESCRIPTION

OZ9998B is a high efficiency DC/DC controller that drives up to eight strings connected in parallel configuration, with multiple LEDs in each string connected in series. It provides four (4) LED current sense inputs in an “OR” configuration to improve backlight reliability. This allows the backlight to remain functional in the event that a string (s) is damaged during normal operation.

OZ9998B supports external Pulse Width Modulation (PWM) dimming control. Plus, it provides an integrated circuit to balance the current flow through each LED string.

APPLICATIONS

- LCD Monitor
- LCD TV

APPLICATION DIAGRAM

