

12 Channel High Performance LED Driver

OB3362 is a highly integrated and high performance LED driver that optimized for LCD backlight application. It integrates a boost driver and 12 channels of current balancer that optimized to drives multi LED arrays, and thus provides a high performance LED backlight solution with minimized BOM count. OB3362 supports various dimming functions and comprehensive protections.

Features:

- ◆ High Efficiency and Compact Size
- ◆ 6V to 30V Input Voltage Range
- ◆ Maximum 70mA current capability Per Channel
- ◆ $\pm 3\%$ Matching Accuracy Between 12 LED Strings Control Current
- ◆ Programmable 150KHz~500KHz Operating Frequency
- ◆ 10V Gate Drive, Better MOS Compatibility
- ◆ Internal/External PWM Dimming
- ◆ Very Low Standby Power
- ◆ Comprehensive Protection Coverage :
 - ◇ Programmable Over Voltage Protection
 - ◇ Under Voltage Lockout(UVLO)
 - ◇ Open/Short LED Protection
 - ◇ Thermal Shutdown
- ◆ Available in TSSOP28/HSOP28 packages, RoHS compliant

Applications:

- ◆ LCD monitor
- ◆ LCD TV
- ◆ Flat panel display

| Device | Output | Package |
|---------|-----------|----------------|
| OB3362 | 12CH*70mA | TSSOP28/HSOP28 |
| OB3362F | 4CH*210mA | TSSOP20 |
| OB2262S | 6CH*140mA | TSSOP24 |

Typical Application:

