



Features

- ◆ Common Anode
- ◆ Buck Converter with Wide Input Voltage Range 4.5V-36V
- ◆ Adjustable Output Current up to 2A
- ◆ Efficiency up to 96%
- ◆ 120m ohm Resistance
- ◆ Support PWM Dimming
- ◆ No External Control Loop Compensation Components Required
- ◆ Full Protections: OCP/OTP/UVLO
- ◆ Error Reports : OCP/OTP Error Report
- ◆ SOP8 Package with Thermal Pad

Surface Mount Device



GD: SOP8L-150-1.27L

Product Description

MBI6658 is a common-anode step-down (buck) constant-current LED driver for high power LED stage lighting applications. Hysteretic PFM control with fast response provides high dimming resolution. The LED current can be set by an external resistor. With the integrated MOSFET, MBI6658 can save the PCB size and reduce the total cost effectively.

Additionally, MBI6658 offers error flag and complete protection functions, including Under-Voltage Lockout (UVLO), Over Temperature Protection (OTP), Over Current Protection (OCP), output open protection, and output short protection, to protect system or components from being damaged by fault conditions.

Applications

- Stage lighting
- Wall wash lighting
- Constant Current Lighting Source