

Current Mode LED Driver

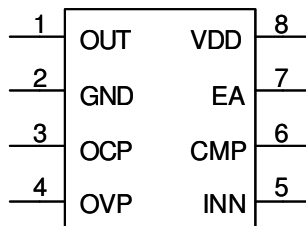
General Description

BIT3267 is a high frequency PWM controller integrating required functions for boost conversion in a small SOP-8 package. A low 0.21V feedback voltage, over voltage protection and over current protection and load short protection make BIT3267 an ideal controller for LED backlight supplies. Frequency selection is flexible in variable system design. Internal soft start function can avoid inrush current during startup period. Over temperature protection and UVLO make system reliable. CMOS process greatly reduces the operating current compared with similar products.

Features

- Current Mode PWM Controller
- 8V ~ 28V operation voltage
- Local dimming function
- Internal minimum off time
- Over current protection, OCP
- Over voltage protection, OVP
- Load short protection, LSP
- Frequency selection
- Internal Soft-Start
- Over temperature protection, OTP
- Internal Under Voltage Lock Out, UVLO
- Totem Pole Output
- SOP-8 package

Pin Configuration



Applications

- Backlight for LED Panels
- Portable Device Backlighting
- LCD Display Module

Typical Application Circuit

