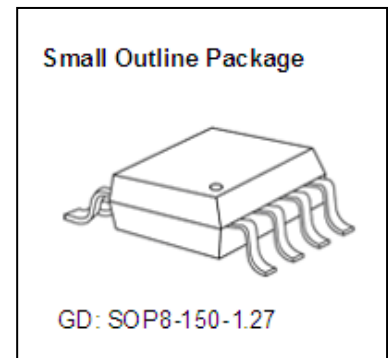




Features

- Constant current LED driver
- Macroblock patent-pending primary side regulation (PSR)
- Built-in active power factor correction
- Support 85V_{ac} - 265V_{ac} universal input voltage range
- Support up to 28W output
- Full protection: thermal/UVLO/soft-start/LED open-/short- circuit
- Available in SOP-8 package



Product Description

MBI6802 is a universal input AC-DC converter designed to deliver constant current to high power LED with primary side regulation (PSR) control (US/TW patent pending). With the built-in active power factor correction circuit, MBI6802 adjusts its input current according to the main waveform to maintain high power factor. MBI6802 is optimized for applications based on flyback converter with output power up to 28 Watt. It is designed to operate in boundary conduction mode (BCM) or discontinuous conduction mode (DCM). In addition, the embedded soft-start function eliminates the inrush current during the power-on period. MBI6802 also features under voltage lock-out (UVLO), over-temperature protection, LED open-circuit protection and LED short-circuit protection to protect IC from being damaged accidentally.

Applications

- T8 light tube LED alternative solutions
- E26/E27 light bulb LED alternative solutions
- PAR light LED alternative solutions