

DESCRIPTION

PT6913 is a special current regulator to drive HV LED. Compact, few external components design is very flexible in many applications. PT6913 provides a programmable 10~60mA constant current. Maximum 400V input voltage provides high reliability for HV LED lighting. The simple driving topology will improve power factor, efficiency. EMI issue will be avoided with this linear control.

Special design is convenient in high-side application. LED open/short is protected by PT6913. The high voltage will be absorbed by PT6913 itself. LEDs will never face high voltage problem.

To improve driving capability, PT6913 provides a pin to drive external MOSFET. It will be flexible in larger current application.

FEATURES

- 8V~400V Operating Voltage
- 10~60mA Programmable Output Current
- ±10% Current Accuracy
- · Parallel Using for High Current Application
- · Driving External MOSFET for Larger Current
- · LED Open/Short Protection
- Temperature Attenuation
 - When T_J>130°C, output current will be decreased.
 - Output current will be zero when T_J=150 °C
- · Electrical Capacitor Needless
- High Power Factor
- High Efficiency
- · Few External Components
- SOT89-5 Package

APPLICATIONS

- GU10, MR16, E11, E17 LED Bulb
- · Compact Size LED Lighting
- TRIAC Dimming

BLOCK DIAGRAM

