

High Efficiency, Constant Current 36V, 1A LED Driver with Internal Switch

Feature

- Operating Voltage: 7V to 36V
- Output driving current up to 1A (1 × LED)
- Internal PWM filter
- Shutdown Current <20μA (Typ)
- Digital Dimming Control
- Thermal Overload Protection
- Open/Shorted LED Protection
- SOP-8, SOT-23-5 and SOT-89-5 Package

Description

The G2620 is a step-down converter, designed for driving high-brightness LED. The device operates over a 7V to 36V input voltage and driving current from few milliamps up to 1A.

The device built-in Overload Protection to prevent operating fails condition.

Application

- GPS Navigation System
- Compact Back Light Module
- Constant Current Source
- LED Module

Ordering Information

ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Green)
G2620P11U	2620	-30°C to +105°C	SOP-8
G2620T11U	2620x	-30°C to +105°C	SOT-23-5
G2620TE1U	2620	-30°C to +105°C	SOT-89-5

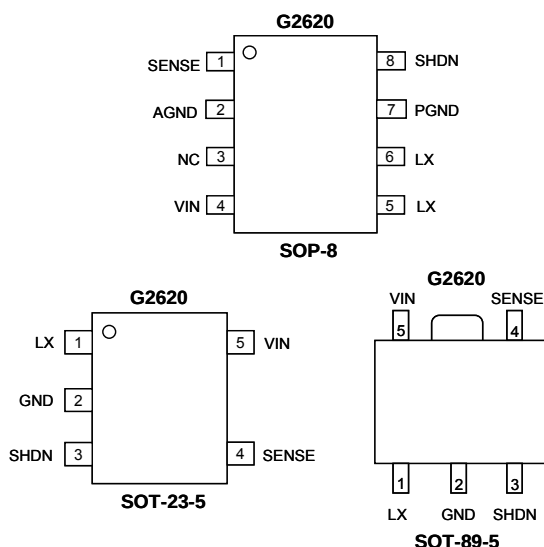
Note: P1: SOP-8 T1: SOT23-5 TE: SOT-89-5

1: Bonding Code

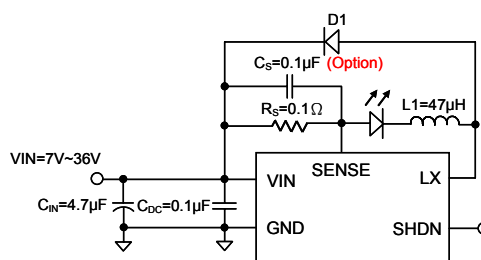
U: Tape & Reel

Green : Lead Free / Halogen Free

Pin Configuration



Typical Application Circuit



*The PCB layout of G2610 must be carefully designed, otherwise the SENSE pin would be disturbed. An optional 0.1μF decoupling capacitor(Cs) between VIN and SENSE is suggested, please place it as closely to VIN and SENSE as possible.