

## Current Mode Boost Controller

### Features

- Input Voltage: 4.5V to 27V
- Adjustable Oscillator Frequency
- Fixed Frequency Current Mode Control
- Integrated Low-Side Driver
- Programmable Soft Start
- Over Current Protection
- Reference 700mV
- Low Power Shutdown Function

### Applications

- LED Lighting
- Industrial Control Systems
- Battery Powered Systems

### General Description

The G5321 is a wide input voltage (4.5V to 27V), non-synchronous boost controller. It is suitable for topologies including boost, flyback, SEPIC and various LED Driver applications which require a grounded source N-channel FET. The device features include programmable soft start, over current protection with automatic retry, programmable oscillator frequency and integrated Low-side driver. Current mode control provides improved transient response and simplified loop compensation.

### Ordering Information

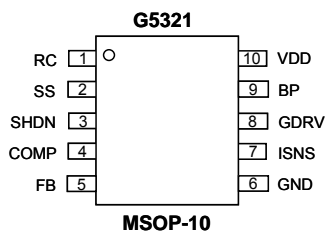
ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Green)
G5321P71U	G5321	-40°C to +125°C	MSOP-10

Note:P7: MSOP-10

1: Bonding Code

U: Tape & Reel

### Pin Configuration



### Typical Application Circuit

