

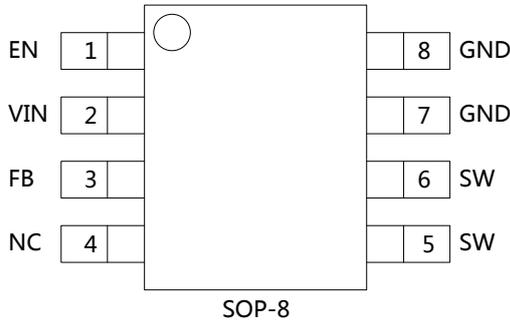
## 400KHz 60V 2A Switching Current Boost / Buck-Boost / Inverting DC/DC Converter

### General Description

The KF9227 regulator is a wide input range, current mode, DC/DC converter which is capable of generating either positive or negative output voltages. It can be configured as either a boost, flyback, SEPIC or inverting converter. The KF9227 built in N-channel power MOSFET and fixed frequency oscillator, current-mode architecture results in stable operation over a wide range of supply and output voltages.

The KF9227 regulator is special design for portable electronic equipment.

### Pin Configurations



### Features

- Wide 3.6V to 24V Input Voltage Range
- Positive or Negative Output Voltage Programming with a Single Feedback Pin
- Current Mode Control Provides Excellent Transient Response
- 1.25V reference adjustable version
- Fixed 400KHz Switching Frequency
- Maximum 2A Switching Current
- SW PIN Built in Over Voltage Protection
- Excellent line and load regulation
- EN PIN TTL shutdown capability
- Internal Optimize Power MOSFET
- High efficiency up to 90%
- Built in Frequency Compensation
- Built in Soft-Start Function
- Built in Thermal Shutdown Function
- Built in Current Limit Function
- Available in SOP-8 package

### Applications

- Automotive and Industrial Boost / Buck-Boost / Inverting Converters
- Portable Electronic Equipment

### Typical Application Circuit

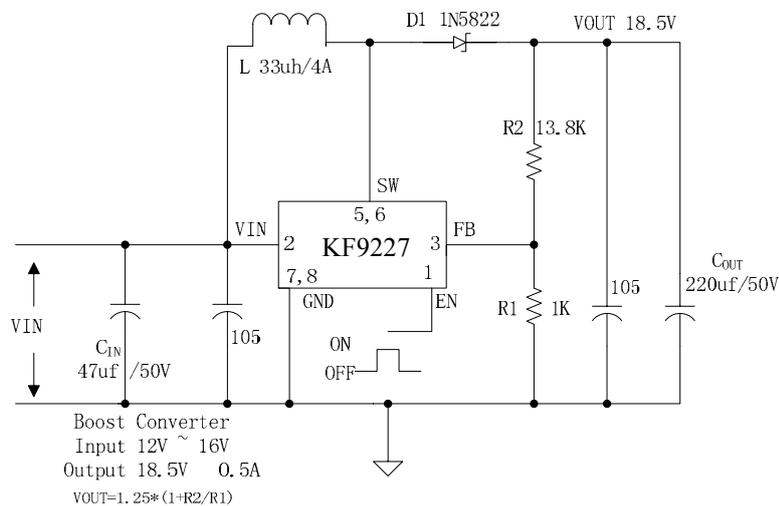


figure1. Typical Application Circuit (Boost Converter)