

XLSEMI[®]

XL6009

400KHz 60V 4A Switching Current Boost / Buck-Boost / Inverting DC/DC Converter

Features

Wide 5V to 32V 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 4A Switching Current

General Description

The XL6009 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 XL6009 built in N-channel power MOSFET and fixed frequency oscillator, current-mode architecture results in