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LV Product Line

DC-DC(Boost)

DC-DC(Buck)

Car Charger IC

LED Backlight

Battery Charger

Current Limiter

Reset&Detect

High Power White LED

HV Product Line

Popular !

Car Charger IC

AP2962B

AP2962B



40V, 3A, 280kHz Asynchronous Step-Down Converter

General Description

The AP2962B is a monolithic step-down switch mode converter with a built-in high-side power MOSFET. It achieves 3A continuous output current over a wide input supply range with excellent load and line regulation. Current mode operation provides fast transient response and eases loop stabilization. Fault condition protection includes cycle-by-cycle current limiting and thermal shutdown. The AP2962B is available in an SOP8-PP package, provides a very compact system solution and good thermal conductance.

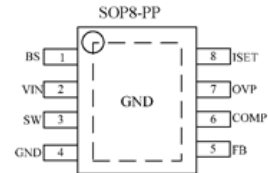
Applications

- Car Charger
- Rechargeable Portable Devices
- Automotive Industry

Features

- Wide Input Voltage from 8V to 40V
- Up to 3A Output Current
- Adjustable Output Voltage up to 12V
- High Efficiency Up to 93%
- Internal Soft-Start
- Auto Recovery after Faults
- Output Cord Voltage Drop Compensation
- Programmable Over Current Setting
- Over-Temperature Protection
- Thermal Enhanced SOP-8 Package
- RoHS Compliant

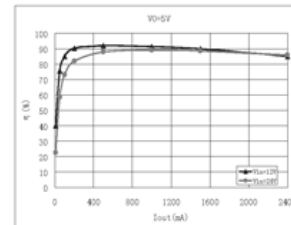
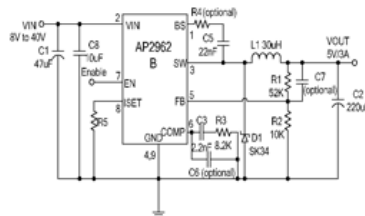
Package/ Ordering Information



Order codes	Mark	Package
AP2962BSPER	2962B YYWWP ¹	SOP8-PP

1. YYWW=date code
P=Package factory

Typical Application Circuit



Note: If you need product datasheet or design reference report, please click here.>>

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