

3.3V~5V Input 24W Output Step-up DC/DC Converter

GENERAL DESCRIPTION

The XA5018 is a high frequency, high efficiency DC to DC converter with an integrated 12A, 25mΩ power switch capable of providing an output voltage up to 24V. The fixed 600KHz allows the use of small external inductions and capacitors and provides fast transient response. It integrates Soft start, Comp., only need few components outside. It can output 6V 3.5A、9V 2A when 3.3V Battery input and output 6V 4.5A、9V 3A when 3.6V Battery input at good heat dissipation condition

FEATURES

- 2.7V to 5.5V input voltage Range
- Efficiency up to 96%
- 24V Boost converter with 12A switch current Limit
- 600KHz fixed Switching Frequency
- Integrated soft-start
- Thermal Shutdown
- Under voltage Lockout
- Support external LDO auxiliary power supply
- 8-Pin SOP-PP Package

APPLICATIONS

Portable Audio Amplifier Power Supply
 Power Bank
 QC 2.0/Type C
 Wireless Charger
 POS Printer Power Supply
 Small Motor Power Supply

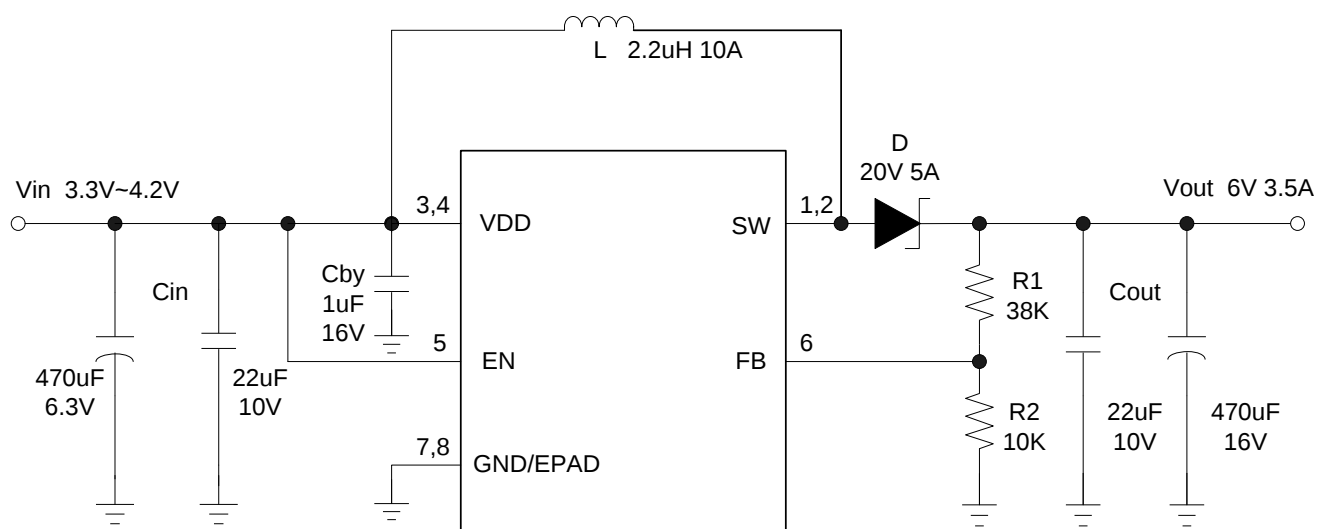


Figure 1. Typical Application Circuit1

(for Single cell Li-Battery)