

## SYNCHRONOUS PWM CONTROLLER WITH INTERNAL COMPENSATION

### FEATURES

- Bus voltage operation from 2V to 25V
- Fixed 300kHz(NX2118), 600kHz(NX2118A)
- Internal Digital Soft Start Function
- Less than 50 nS adaptive deadband
- Internal compensation
- Programmable hiccup Current limit by sensing R<sub>ds(on)</sub> of Synchronous MOSFET
- No negative spike at V<sub>out</sub> during startup and shutdown
- SOIC8 package

### TYPICAL APPLICATION

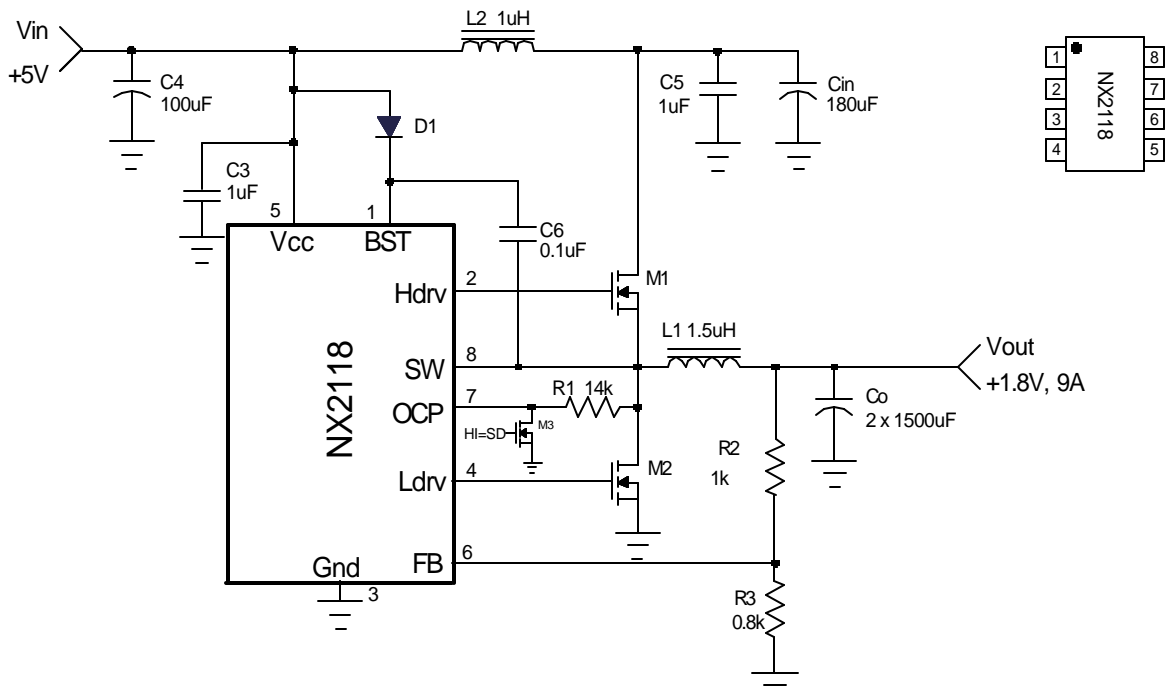


Figure1 - Typical application of 2118