

深圳市芯创世纪电子有限公司



SEAWARD
ELECTRONICS

300mA CMOS LDO Voltage Regulator
(Preliminary)

SE5218

Description

The SE5218 series of fixed output low dropout linear regulators are designed for portable battery powered applications, which require low noise environment, fast enable response time, and low dropout voltage. Each device contains a bandgap voltage reference, an error amplifier, a PMOS power transistor, and resistors for setting output voltage, and current limit and temperature limit protection circuits.

The SE5218 has been designed to be used with low cost capacitors and requires a minimum output capacitor of 1.0 μ F. Standard voltage versions are 1.2, 1.5, 1.8, 2.5, 2.8, 3.0, and 3.3V.

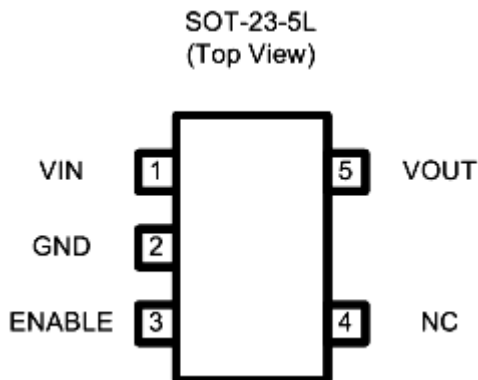
Features

- Typical 175mV Dropout Voltage at 150mA.
- Fast Enable Turn-On Time of 20 μ s (Typ.)
- Excellent Line and Load Regulation.
- High Accuracy Output Voltage of 2%.
- Ultra-Low Ground Current at 65 μ A (Typ.)
- Disable Current Less than 0.3 μ A (Typ.)
- Thermal Protection.
- Standard SOT-23-5L Packages.

Applications

- USB removable devices
- MPEG4 devices
- Wireless LAN's
- Hand-Held Instrumentation.
- Portable DVD players
- Digital camera

Pin Configuration



Application Diagram

