Preliminary and provisional

SINGLE-CHANNEL STEP UP DC/DC CONVERTER

Features

- Wide Operating Voltage **:** 2.5V to 7V
- Low Dissipation Current **:** Typically 2.0mA

  In Operation, 1μA or Less in Shut down Mode
- Power Ready Control
- Output Short Circuit Protection
- Operating Frequency：800kHz
- Internal Soft Start
- Channel Control
- Minimized External Components

General Description

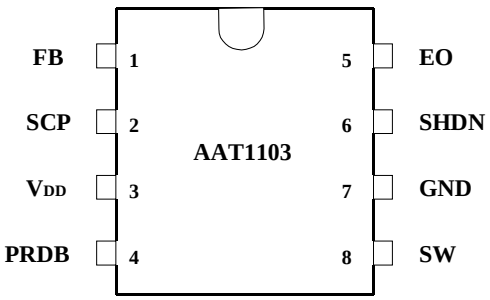
The AAT1103/AAT1103A is a single channel pulse-width-modulation (PWM) controller circuit solution for low voltage applications. A low minimum operating voltage of 2.5V is ideal for the power supply voltage of Li-Ion battery-operated electronic equipment.

The IC provides soft start, short circuit protection and shut down functions. During shut down mode, current consumption is reduced less than 1μA. The error amplifier gain is built in the IC, so external components are minimized. An external compensation pin gives user flexibility in determining loop compensation.

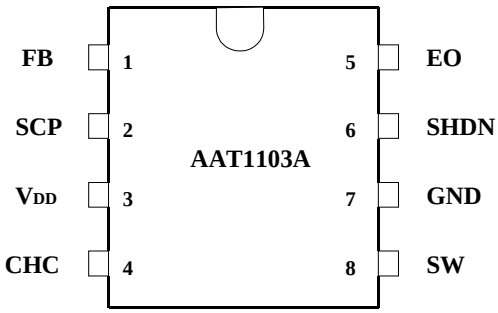
*Spec is subject to change without notice in this document.

Pin Configuration

TOP VIEW



TOP VIEW



SOP-8 & TSSOP-8