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PRODUCT OUTLINE

CM1811ff – 500mA buck converter
500mA output current

Part Number

- CM1811ff

Status

- Silicon proven

Features

- Input voltage: 2.5V to 5.5V
- Configurable output voltage: 1.0V to 3.3V (steps of 0.1V)
- Maximum load current: 500mA
- Typical Efficiency: 90%
- PWM mode for heavy load
- PFM mode for light loads
- Over-current protection

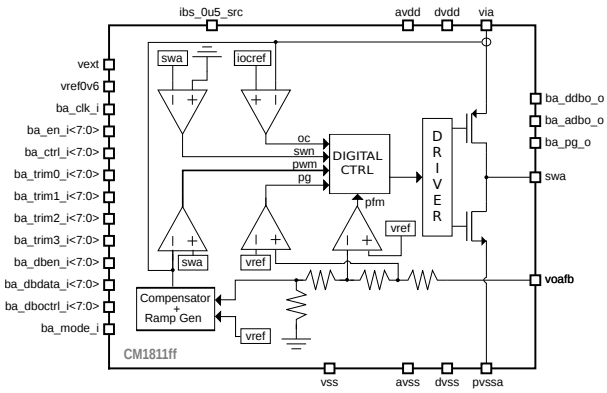
Overview

Synchronous step-down buck DC-DC converter designed for SilTerra D18V (0.18µm BCD). It operates in PWM mode for heavy loads and has a PFM mode for light loads, improving it's efficiency. It also features power good indicator, over-current protection (at start-up and cycle-by-cycle), and the option to have an external voltage reference.

Applications

- High efficiency Step-Down Switching Regulators.

Functional Diagram



Technology

- SilTerra D18V (0.18µm BCD)

Deliverables

- Integration Guidelines
- GDS
- LVS Netlist
- Datasheet
- Factsheet
- Outline

Preliminary

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