

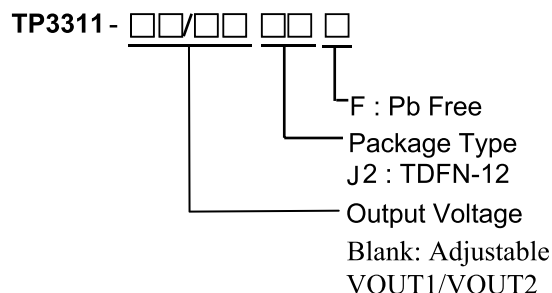
Dual High-Efficiency 1.5MHz 1.5A PWM Step-Down DC-DC Converter

General Description

The TP3311 contains two independent 1.5MHz constant frequency, current mode, PWM step-down converters. Each converter integrates a main switch and a synchronous rectifier for high efficiency without an external Schottky diode. The TP3311 is ideal for powering portable equipment that runs from a single cell Lithium-Ion (Li+) battery. Each converter can supply 1A of load current from a 2.5V to 5.5V input voltage. The output voltage can be regulated as low as 0.6V. The TP3311 can also run at 100% duty cycle for low dropout applications.

TP3311 is available in an adjustable version and fixed output voltage of 1.2V, 1.8V, 3.3V.

Ordering Information



Marking Information

For marking information, contact our sales representative directly or through a TPmicro distributor located in your area.

Features

- Up to 96% Efficiency
- 1.5MHz Constant Switching Frequency
- 1.5A Load Current on Each Channel
- 2.5V to 5.5V Input Voltage Range
- Output Voltage as Low as 0.6V
- 100% Duty Cycle in Dropout
- Current Mode Operation
- Short Circuit Protection
- Thermal Fault Protection
- <1µA Shutdown Current
- Soft Start Function
- Space Saving 12-Pin TDFN Package
- RoHS Compliant and 100% Lead(Pb)-Free

Applications

- Microprocessors and DSP Core Supplies
- PDAs and GPS applications
- Wireless and DSL Modems
- Digital Still and Video Cameras

Pin Configurations

