

3A, 23V, 1.4MHz Step-Down Converter

DESCRIPTION

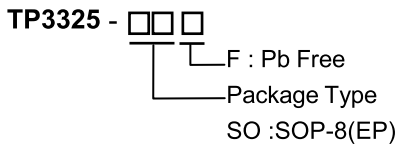
The TP3325 is current mode, step-down switching regulator capable of driving 3A continuous load with excellent line and load regulation. The TP3325 can operate with an input voltage range from 4.75V to 30V and the output can be externally set from 0.92V to 18V with a resistor divider.

Fault condition protection includes cycle-by-cycle current limiting and thermal shutdown. In shutdown mode the regulator draws 20µA of supply current.

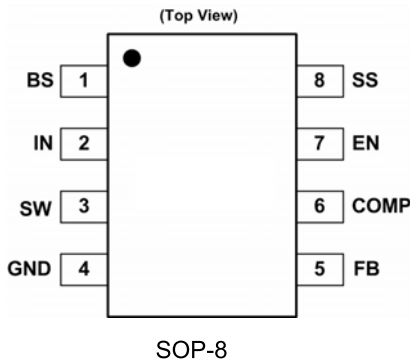
Programmable soft-start minimizes the inrush supply current and the output overshoot at initial startup.

The TP3325 require a minimum number of external components.

Ordering Information



Pin Configurations



FEATURES

- 3A Output Current , peak Output 4A
- 0.1Ω Internal DMOS Output Switch
- 4.75V to 23V Input Operating Range
- Output Adjustable from 0.92V to 18V
- Up to 93% Efficiency
- Shutdown current 20uA typical
- Fixed 1.4MHz Frequency
- Thermal Shutdown and Overcurrent Protection
- Available SOP-8 Package
- RoHS Compliant and 100% Lead(Pb)-Free

APPLICATIONS

- Battery Charger
- Distributed Power Systems
- Networking Systems
- Portable Electronics

Marking Information

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