DESCRIPTION

The RS7805 and RS7812 can provide local on-card regulation, eliminating the distribution problems associated with single point regulation. Each employs internal current limiting, thermal shut-down and safe operating area protection, making it essentially indestructible. If adequate heat sinking is provided, they can deliver over 1A output current. Although designed primarily as fixed voltage regulators, these devices can be used with external components to obtain adjustable voltages and currents.

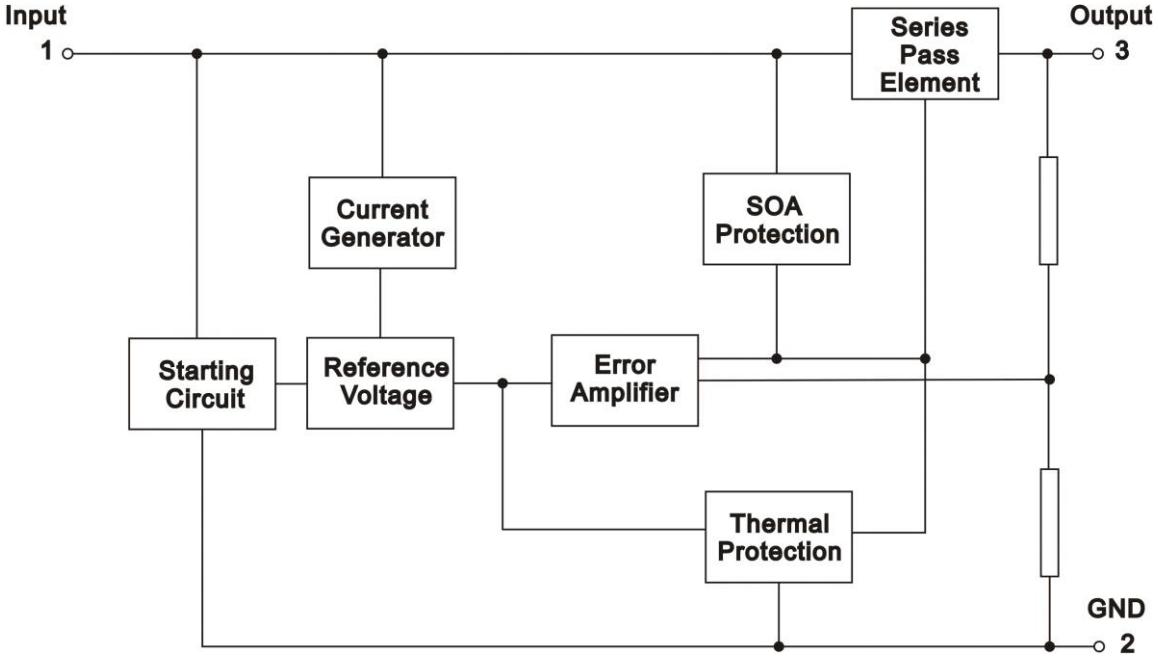
FEATURES

- Output current in excess of 1A
- Output voltages of 5V,12V
- Internal short-circuit current limiting & thermal overload protection
- Guaranteed in extended temperature range

APPLICATIONS

- SCSI-2 active termination
- High efficiency linear regulators
- 5V to 3.3V voltage converter
- Battery charger
- Battery management circuits for notebook and palmtop PCs
- Core voltage supply: FPGA, PLD, DSP, CPU

SCHEMATIC DIAGRAM



IMPORTANT NOTICE

Princeton Technology Corporation (PTC) reserves the right to make corrections, modifications, enhancements, improvements, and other changes to its products and to discontinue any product without notice at any time.

PTC cannot assume responsibility for use of any circuitry other than circuitry entirely embodied in a PTC product. No circuit patent licenses are implied.

Princeton Technology Corp.
2F, 233-1, Baociao Road,
Sindian Dist., New Taipei City 23145, Taiwan
Tel: 886-2-66296288
Fax: 886-2-29174598
http://www.princeton.com.tw