

Product Overview

FAN6982: Power Factor Controller (PFC) CCM, PFC-Ready Signal, Brown Out Protection, Programmable 2 Level Output Voltage

For complete documentation, see the data sheet.

The FAN6982 is a 14-pin, Continuous Conduction Mode (CCM) power factor correction controller intended for Power Factor Correction (PFC) pre-regulators. The FAN6982 includes circuits for the implementation of leading edge, average current, "boost"-type power factor correction, and results in a power supply that fully complies with the IEC1000-3-2 specification. A TriFault Detect™ function helps reduce external components and provides full protection for feedback loops such as open, short, and over voltage. An over-voltage comparator shuts down the PFC stage in the event of a sudden load decrease. The RDY signal can be used for power-on sequence control. The EN function can choose to enable or disable the range function. FAN6982 also includes PFC soft-start, peak current limiting, and input voltage brownout protection.

Features

- Continuous Conduction Mode
- Innovative Switching-Charge Multiplier-Divider
- Average-Current-Mode for Input-Current Shaping
- TriFault Detect™ Prevent Abnormal Operation for Feedback Loop
- Power-On Sequence Control
- Soft-Start Capability
- Brownout Protection
- Cycle-by-Cycle Peak Current Limiting
- Improves Light-Load Efficiency
- Fulfills Class-D Requirements of IEC 1000-3-2

For more features, see the data sheet

Applications

- Desktop PC
- Server
- LCD Monitor
- LCD TV
- LED TV

For more information please contact your local sales support at www.onsemi.com.

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