

PM67598 High Efficiency, No-Isolated, Fixed 8:1 Ratio, 400W

Digital DC/DC Power Module

Features

- 40 to 60V Input Voltage Range
- 5 to 7.5V Output Voltage Range
- Up to 400W Continuous Output Power
- Up to 600W Transient Output Power
- Up to 97.5% Efficiency
- Parallel Operation for Multi-kW Arrays
- Configuration and Monitoring via PMBus
- Auto-Recovery Mode for UVP, OTP, OCP
- 27mm x 18mm x 6.4mm SMD Package
- Reflow Soldering (MSL rating of 3)
- RoHS compliant and Green

Applications

- Data Center
- Computing systems

Description

The PM67598 is a high-efficiency, non-isolated power module with a fixed 8:1 transformer turns ratio. The module operates from a 40V to 60V DC primary bus and a 5V to 7.5V output voltage. It can deliver up to 400W continuous and 600W in transient.

The built-in digital controller can store and restore module configurations. The fault status, input voltage, output voltage, output current, and temperature can be easily monitored via the PMBus interface.

The PM67598 is available in a SMD (27mmx18mmx6.4mm) package.

Typical Application Circuit

