

PG79379 Dual eFuses for 5V and 12V rails

Features

- Dual efuses for 5V and 12V in one chip
- Continuous current: 2.5A for 5V rail, 3.5A for 12V rail
- Low Ron resistance: 30mΩ
- Low operating quiescent current: 300uA
- Low shutdown current
- Fixed current limit: 3A for 5V rail, 4A for 12V rail
- Input UVP and OVP protection
- Latch-off thermal protection
- Small TSOT23-8L package
- RoHS compliant and Green

Applications

- HDD and SSD drivers
- Multiple battery management
- Redundant and standby power system
- Power path management
- Surveillance system

Description

The PG79379 device integrates two independent electronics fuses, one for 5V rail and the other for 12V. With the low Ron resistance, the 5V rail supports 2.5A continuous current, while the 12V rail supports 3.5A continuous current.

To regulate the input inrush current during startup, the output voltage rising slew rate of each rail can be configured individually.

The device also has fixed over-current protection, input UV and OV protection, and over-temperature protection.

The device is available in TSOT23-8L, 2.8x2.9 mm package.

PART NUMBER	PACKAGE	BODY SIZE
PG79379	TSOT23-8L	2.8x2.9 mm

Typical Application Circuit

