

Multi-Mode PWM Controller with Integrated Protections

Features

- Low Start-Up Current (<math><2\mu\text{A}</math>)
- Multi-Mode Operation
 - CCM @ Heavy Load and Low Line
 - QR-Like Operation @ Medium Load
 - Green mode with Valley Skip at Light Load
 - Burst Mode at No Load
- Accurate Over Current Protection
- Adjustment OVP on QRD Pin
- Output Short Protection
- Soft Driver
- 8ms Soft-start
- OVP (Over Voltage Protection) on VCC Pin
- On Chip OTP Protection
- SOT-26 Package with Few External Components Needed

Description

The GR1230R is a high performance multi-mode (QR/CCM) PWM controller for flyback converter. It minimizes the components counts and is available in a tiny SOT-26 package. Those make it an ideal design for low cost application. It provides functions of low startup current, green- mode power-saving operation, VCC over-voltage protection, and QRD pin abnormal conditions sensing to prevent the circuit being damaged from the abnormal conditions.

Applications

- Switching AC/DC power adapter
- SMPS Power Supply

Typical Application Information

