

Product Overview

FAN7601B: Green-Mode PWM Controller for Flyback Converter, Programmable Frequency to 300KHz

For complete documentation, see the data sheet.

The FAN7601B is a programmable frequency green current mode PWM controller. It is specially designed for the offline adapter applications and the auxiliary power supplies that require high efficiency at light load and no load. The internal high-voltage startup switch and burst mode reduce the power loss.

FAN7601B includes protections, such as latch protection and over-voltage protection. The latch protection can be used for over-voltage protection, thermal protection, and others. The soft-start prevents the output voltage overshoot at startup.

Features

- Green Current Mode PWM Control
- Low Operating Current: Maximum 4 mA
- Burst Mode Operation
- Internal High-Voltage Startup Switch
- Under-Voltage Lockout (UVLO): 12 V / 8 V
- Latch Protection and Soft-Start Function
- Over-Voltage Protection: 19 V
- Operating Frequency up to 300 kHz
- Maximum Duty Cycle: 95%

Applications

- AC-DC Merchant Power Supply
- LCD Monitor
- LED TV

Part Electrical Specifications

Product	Compliance	Status	Topology	Phases	Control Mode	V _{CC} Min (V)	V _{CC} Max (V)	f _{sw} Typ (kHz)	Package Type
FAN7601BMX	Pb-free Halide free	Active	Flyback		Current Mode	11	13	100	SOIC-8

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

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