

Current Mode PWM Controller

Description

AT3263 is highly integrated current mode PWM control IC optimized for high performance low standby power offline fly back converter applications.

To meet the international power conservation requirements, optimized green mode is integrated to improve the efficiency at light or no load conditions with no audible noise. Slope compensation is integrated to ensure the stability at high load. Lead edge blanking is integrated to prevent the false trigger at the transition of the switch. Soft switching control at the gate drive can improve the EMI performance of the power supply. The Gate-drive output is clamped at 18V to protect the power MOS. AT3263 offers many protection functions with auto self-recovery feature, including Cycle-by-Cycle current limiting, over load protection (OLP) and under voltage lockout (UVLO).

Excellent EMI performance is achieved with frequency jitter technique together with soft switching control at the totem pole gate driver.

AT3263 is offered in SOT23-6, SOP-8 and DIP-8 packages.

Features

- Frequency jitter function to improve EMI performance of power supply
- No-audible-noise green mode Control
- External Programmable PWM Switching Frequency
- Internal Slope Compensation
- Low VDD Startup Current and Low Operating Current
- Leading Edge Blanking
- UVLO
- Gate Max Output Voltage Clamp at 18V
- Overload Protection (OLP).
- Line Compensation Over Current Protection (OCP)

Applications

Offline AC/DC fly back converter for

- Battery Charger
- Power Adaptor
- Set-Top Box Power Supplies
- Open-frame SMPS
- PC 5V Standby Power

Pin Assignments

S6 Package (SOT23-6)

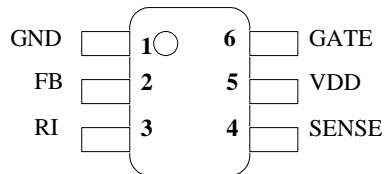


Figure 1. Pin Assignment of AT3263 for SOT23-6

PD8&SOP8 Package (P-DIP8&SOP8)

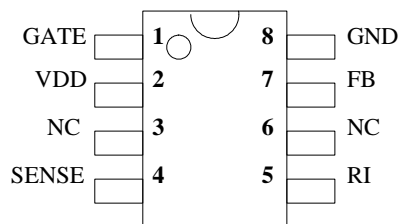


Figure 2. Pin Assignment of AT3263 for P-DIP8&SOP8

Ordering Information

AT3263□□□

DATE

P: Pb Free with Commercial
Standard (ROHS Compliant)

Package Type

S6:SOT23-6

PD:P-DIP8

SO:SOP(normal)8