
General Description

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JT3263 is highly integrated current mode PWM control IC optimized for high performance, low standby power and cost effective offline flyback converter up to 60W output power system.

PWM switching frequency is internally fixed at 65KHz. At no load or light load condition, the IC operates in 'burst mode' to minimize switching dissipation. Therefore, lower standby power dissipation and higher conversion efficiency are achieved.

Due to very small startup current and low operating current, a big resistor can be used in the startup circuit to minimize standby power dissipation.

JT3263 offers comprehensive protection functions, including Cycle-by-Cycle current limitation (OCP), over temperature protection (OTP), Over voltage clamp (OVP) and under voltage lockout (UVLO) on VDD. The Gate output is clamped up to 16V to protect the gate of the power MOSFET.

Features

- Digit frequency shuffling technology to improve EMI performance.
- Leading-edge blanking on current sense input.
- Slope compensation.

- Burst mode control to improve efficiency and optimize standby power dissipation.
- Low startup current and low operating current.
- Voltage clamping at gate output
- Soft-start to reduce MOSFET stress during power on.
- Comprehensive protection functions
 - 1、 Under voltage locked with hysteresis (UVLO) on VDD
 - 2、 Over voltage protection (OVP) on VDD.
 - 3、 Cycle-by-Cycle current limitation
 - 4、 Current limitation compensation to obtain the same output current in universal ac line input
 - 5、 Over load protection (OLP)
 - 6、 Over temperature protection (OTP)
- 300mA drive capability

Applications

- Cell Phone Charger
- Digital Cameras Charger
- Power adaptor
- Battery charger