

MD22H Low Standby-Power Off-line PWM converter

General Description

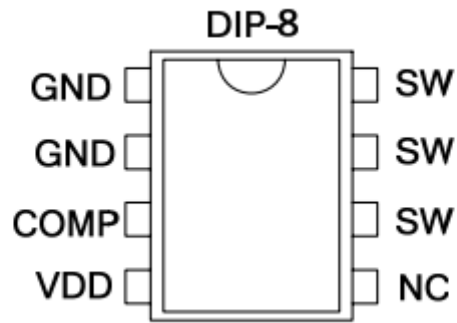
The MD22H consists of a Pulse Width Modulator (PWM) controller and a power MOSFET, specifically designed for a high performance off-line converter with minimal external components. MD22H offers complete protection coverage with automatic self-recovery feature including Cycle-by-Cycle current limiting (OCP), over temperature protection (OTP), under-voltage Lockout protection(UVLO), VDD over-voltage protection(OVP), and soft-start. Burst mode operation and device very low consumption helps to meet the standby energy saving regulations. Excellent EMI performance is achieved with frequency modulation. The device consists of a high voltage start-up circuit in order to reduce the system set-up time. The device provides an advanced platform well suited for low standby-power and cost-effective flyback converters.

Features

Integrated 800V avalanche-rugged power MOSFET
85V to 265V wide range AC voltage input
Semi enclosed steady output power 10W@85~265VAC
Frequency modulation for low EMI
Burst-mode Operation
Built-in Soft Start
Internal HV Start-up Circuit
Excellent Protection :
Over Current Protection (OCP)
Over Temperature Protection (OTP)
VDD over-voltage protection (OVP)

Applications

Electromagnetic Oven power supplies
Small household application power supplies



Typical Application

