ZHEJIANG UNIU-NE Technology CO.,LTD

浙 江 宇 力 微 新 能 源 科 技 有 限 公 司

U4358 Data Sheet

V 1.1

Description

U4358 combines a dedicated current mode PWM mode controller with a 2A/650V MOSFEET.U 4358 has high efficiency, low standby power co nsumption low EMC and low cost. It is applied to t he off-line flyback converter in the range of 12 W output power.

U4358 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 VCC.

Ordering Information

U4358	Part Number
XXXXX	Year And Week Code
Package	DIP-7

Features

- Digit frequency shuffling technology to improve EMI performance.
- Fixed 65kHz PWM switching frequency.
- Leading-edge blanking on current sense.
- Internal synchronized slope compensation.
- Low standby power consumption (<75mW@AC230V)
- Soft-start to reduce MOSFET Vds stress during power on
- Comprehensive protection function
  - Under voltage locked with hysteresis (UVLO) on VCC.
  - Over voltage protection (OVP) on VCC.
  - Cycle-by-Cycle current limitation.
  - Over load protection (OLP)
  - Over temperature protection (OTP)
  - Current limitation compensation to obtain the same output current in universal ac line input
- Low start-up current (<10uA@VCC=12V)
- Package: DIP-7.

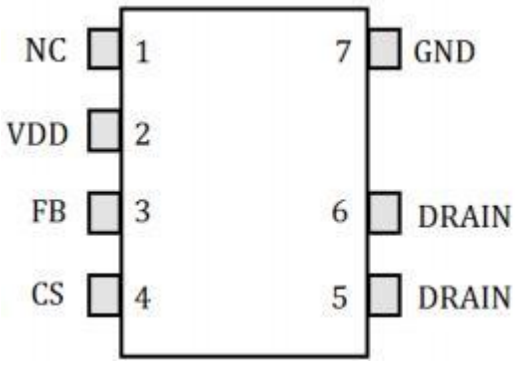
Applications

- Chargers and Adapter
- Motor Driver Power Supply
- Recommended Max Output Power(1)

Part Number	85~264Vac	175-264Vac
U4358	10W	12W

Note 1: Typical continuous power in a non-ventilated enclosed adapter with sufficient drain pattern as a heat sink at 45℃ ambient.

Package Information

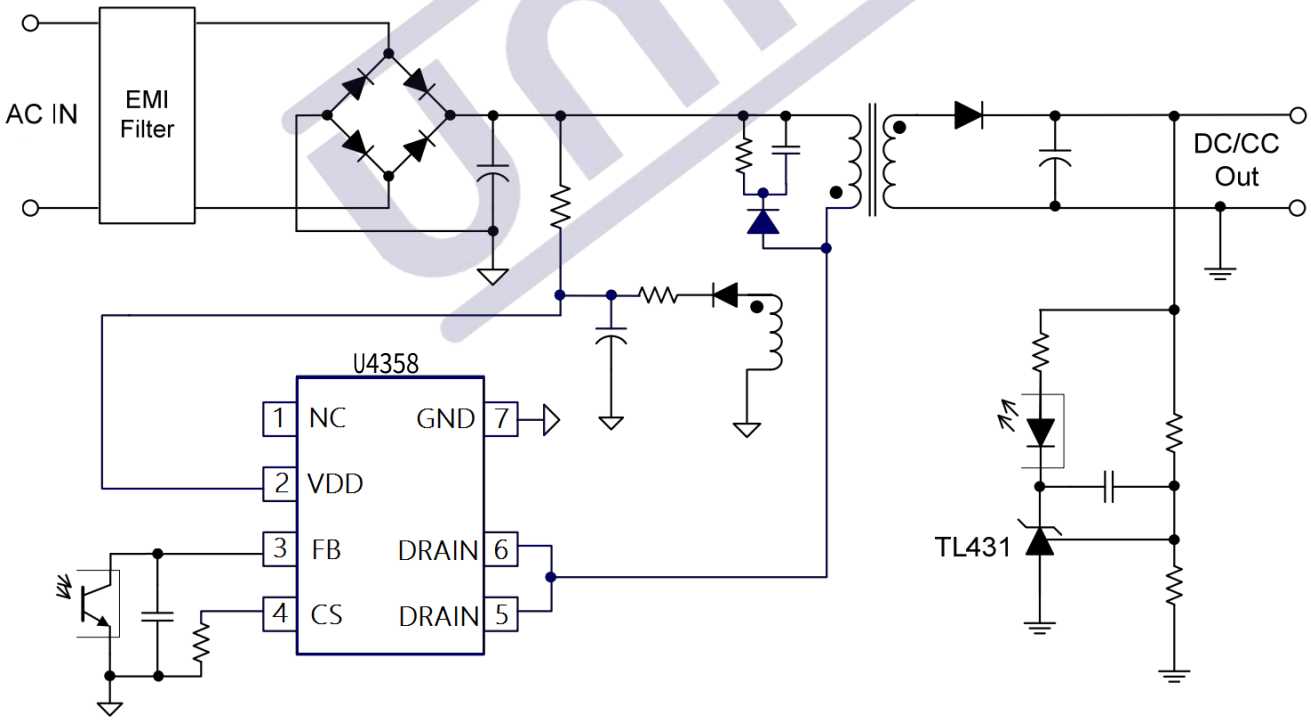


TOP VIEW

■ Pin Configuration

Pin Number	Pin Name	Function
1	NC	Un-connection Pin .Left float in the practical design.
2	VDD	IC power supply pin.
3	FB	Feedback pin. The loop regulation is achieved by connecting a photocoupler to this pin. PWM duty cycle is determined by this pin voltage and the current sense signal at Pin 4.
4	CS	Current Sense Input Pin.
5、6	DRAIN	The Power MOSFET Drain.
7	GND	The ground of the IC.

■ Typical Application Circuit



1.版本记录

DATE	REV.	DESCRIPTION
2018/04/19	1.0	First Release
2021/11/12	1.1	Layout adjustment

2.免责声明

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