

SmartJitter™ Multi-Mode Flyback Controller

FEATURES

- Proprietary SmartJitter™ Technology
- Output Jittering Ripple Elimination
- FT8492Gxx/FT8492Hxx:
Continuous Conduction Mode (CCM)
- FT8492Bxx:
Boundary Conduction Mode (BCM)
- Built-in 650V Power MOS
- Ultra-low Start-up current (<3μA)
- Accurate Over-Load Protection (OLP)
- Programmable Bulk Capacitor
- Brown-in/Brown-out Protection
- High Noise Immunity

TYPICAL APPLICATION

- Switching AC/DC Adaptor
- NB Adaptor
- TV/Monitor Standby Power
- PC Peripherals

DESCRIPTION

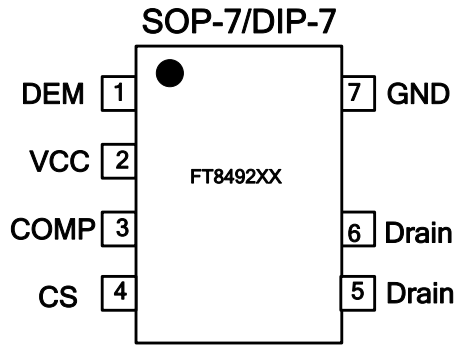
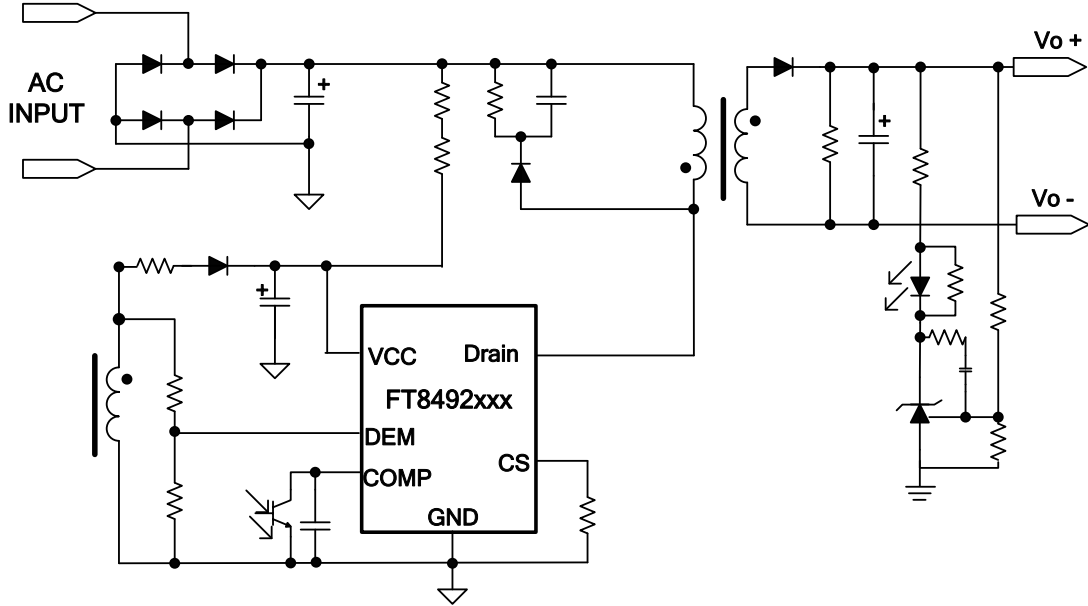
The FT8492XX is a high performance PWM controller for offline flyback power converter Application, with constant voltage. The FT8492XX series are enhanced high efficient multi-mode PWM flyback controller. FT8492XX operates at Continuous Conduction Mode (FT8492Gxx/FT8492Hxx) or Boundary Conduction Mode(FT8492Bxx) and achieve highest average efficiency, fast dynamic load response and ultra-low standby power. FT8492XX satisfy DoE Level VI requirements with production margin.

FT8492XX also integrates a 650V power MOS that further improves the system reliability and lowers the system cost and complexity.

The FT8492XX is available in SOP8/DIP8 package, and it is a current mode PWM controller. Multi- protection The FT8492XX features fruitful protections like Over Voltage Protection (OVP) , Over Temperature Protection (OTP), and a programmable bulk capacitor Brown-in/ Brown-out protection. Etc.

Especially, when BCM version FT8492Bxx is used with our Synchronic Rectifier FT8372x series, higher conversion efficiency can be achieved.

TYPICAL APPLICATION CIRCUIT AND PIN ASSIGNMENT



FT8492XX(SOP-7/DIP-7,Internal MOS)

Pin	Name	Description
1	DEM	Demagnetization Pin. Input and Output Voltage Detection from Auxiliary Winding.
2	VCC	Supply voltage
3	COMP	Feedback Voltage Input. Connect an opto-coupler to close the control loop and achieve output voltage regulation.
4	CS	Primary current sense
5	Drain	D: the Drain of the power MOS for FT492xx. This pin is connected to the primary lead of the transformer
6		
7	GND	Ground