

## SmartJitter™ Multi-Mode Flyback Controller

### FEATURES

- Proprietary SmartJitter™ Technology
- Output Jittering Ripple Elimination
- Continuous Conduction Mode (CCM) and Valley Switching Mode Control
- Ultra-low Start-up current (<3μA)
- Accurate Over-Load Protection (OLP)
- Programmable Propagation Delay Time Compensation
- Programmable External Over-Temperature Protection
- Programmable Bulk Capacitor Brown-in/Brown-out Protection
- High Noise Immunity

### TYPICAL APPLICATION

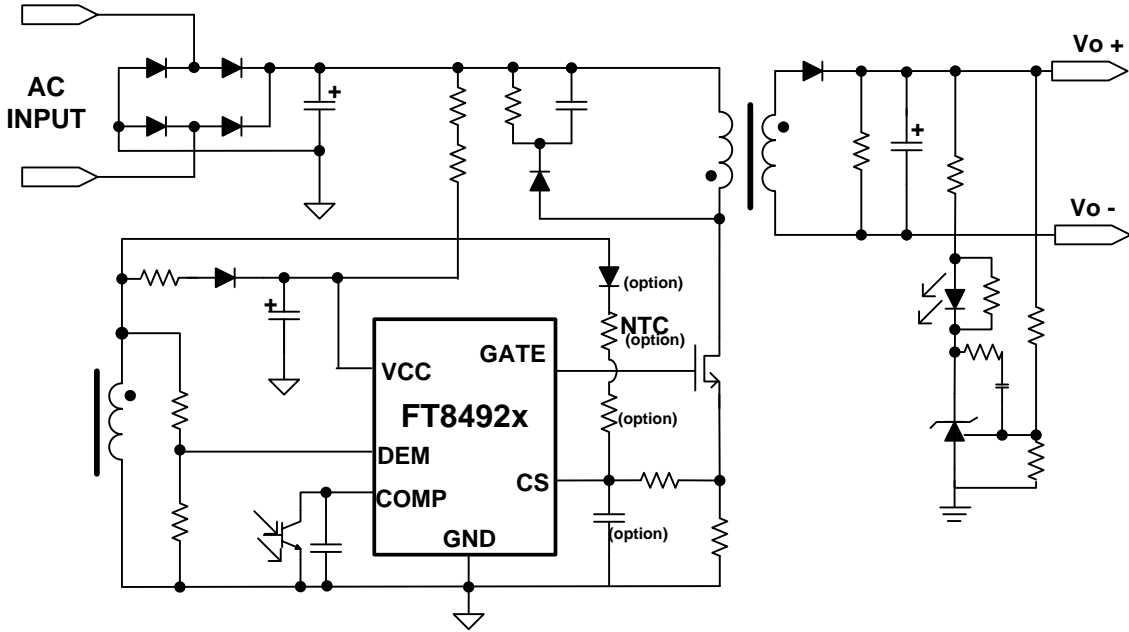
- Switching AC/DC Adaptor
- NB Adaptor
- TV/Monitor Standby Power
- PC Peripherals

### DESCRIPTION

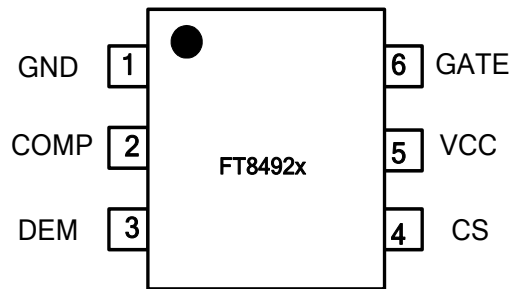
The FT8492X is a high performance PWM controller for offline flyback power converter application, with constant voltage. The FT8492X series are enhanced high efficient multi-mode PWM flyback controller. FT8492X operates at Continuous Conduction Mode (CCM) and achieve highest average efficiency, fast dynamic load response and ultra-low standby power. FT8492x satisfy DoE Level VI requirements with production margin.

The FT8492X is available in SOT-23-6 package, and it is a current mode PWM controller. Multi-protection and programmable functions are built-in, including a programmable propagation delay time compensation, Furthermore, The FT8492x features fruitful protections like Over Voltage Protection (OVP) , a programmable external Over Temperature Protection (OTP), and a programmable bulk capacitor Brown-in/Brown-out protection. Etc.

**TYPICAL APPLICATION CIRCUIT AND PIN ASSIGNMENT**



**Top View**



**FT8492X(SOT23-6,External MOS)**

Pin	Name	Description
1	<b>GND</b>	Ground
2	<b>COMP</b>	Feedback Voltage Input. Connect an opto-coupler to close the control loop and achieve output voltage regulation.
3	<b>DEM</b>	Demagnetization Pin. Input and Output Voltage Detection from Auxiliary Winding.
4	<b>CS</b>	Primary current sense
5	<b>VCC</b>	Supply voltage
6	<b>GATE</b>	MOS gate driver