

GENERAL DESCRIPTION

The PT4230 is primary side constant current regulator, which is designed for high performance and cost-effective LED lighting applications. With Powtech's proprietary constant current compensation technique accurate output current regulation is achieved without the need of a secondary feedback circuitry. Integrated primary inductance compensation circuitry provides accurate constant current operation despite variations in primary inductance. Excellent EMI performance is achieved with frequency jittering function together with soft driving control at totem pole gate drive output.

The device integrates a high voltage power switch, an oscillator, a current sense circuit, CC control circuit. It also features a complete set of integrated protection functions to protect against all fault conditions including output open/short circuit, line under-voltage, and over temperature shut down.

The PT4230 is available in a SOP-8 package.


FEATURES

- CC Without Secondary Feedback
- Integrates 600V Power Switch
- Inductance Compensation
- Low Startup Current (<10uA)
- Adjustable Primary Side Current limit
- FB Over Voltage Protection
- VCC/FB UVLO
- Feedback Loop Open Circuit Protection
- Over Temperature Protection

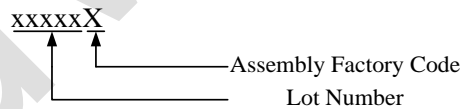
APPLICATIONS

- LED lighting applications

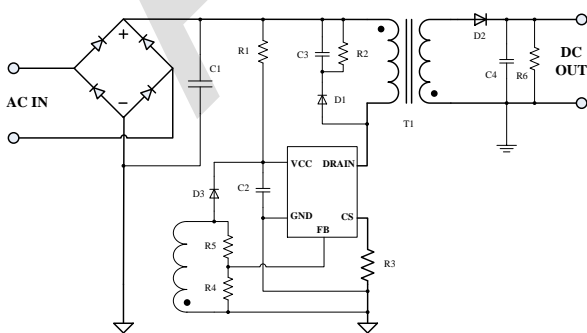
ORDERING INFORMATION

PACKAGE	TEMPERATURE RANGE	ORDERING PART NUMBER	TRANSPORT MEDIA	MARKING
SOP-8	-40°C to 85°C	PT4230ESOH	Tape and Reel 2500 units	 PT4230 xxxxxX

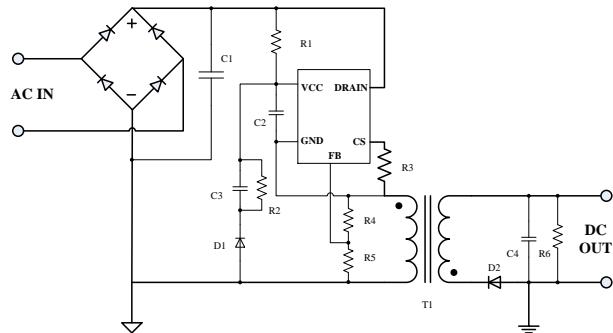
Note:



TYPICAL APPLICATION CIRCUIT



Application for three winding



Application for Double winding