BP3337DA
High PF PSR LED Driver

General Description

BP3337DA is a high PF PSR constant current LED driver with high current accuracy. It is suitable for 90Vac-277Vac universal input.

BP3337DA realizes high PF by constant on time control. With internal THD optimizer, the THD of input current can be further reduced. BP3337DA works in BCM mode, which can help to improve switching loss and EMC performance.

BP3337DA adopts DIP-7 package.

Feature

■ 90-277Vac universal input

■ High PF low THD (PF>0.9，THD<15%)

■ Two windings without auxiliary winding for isolated application

■ High accuracy of current reference (+/-3%)

■ Good line and load regulation

■ Critical conduction mode

■ Low operation current

■ VCC UVLO

■ Cycle by cycle current limitation

■ Output open/short protection

■ Thermal fold back

■ DIP-7 package

Application

■ LED driver

■ High-performance LED fixture
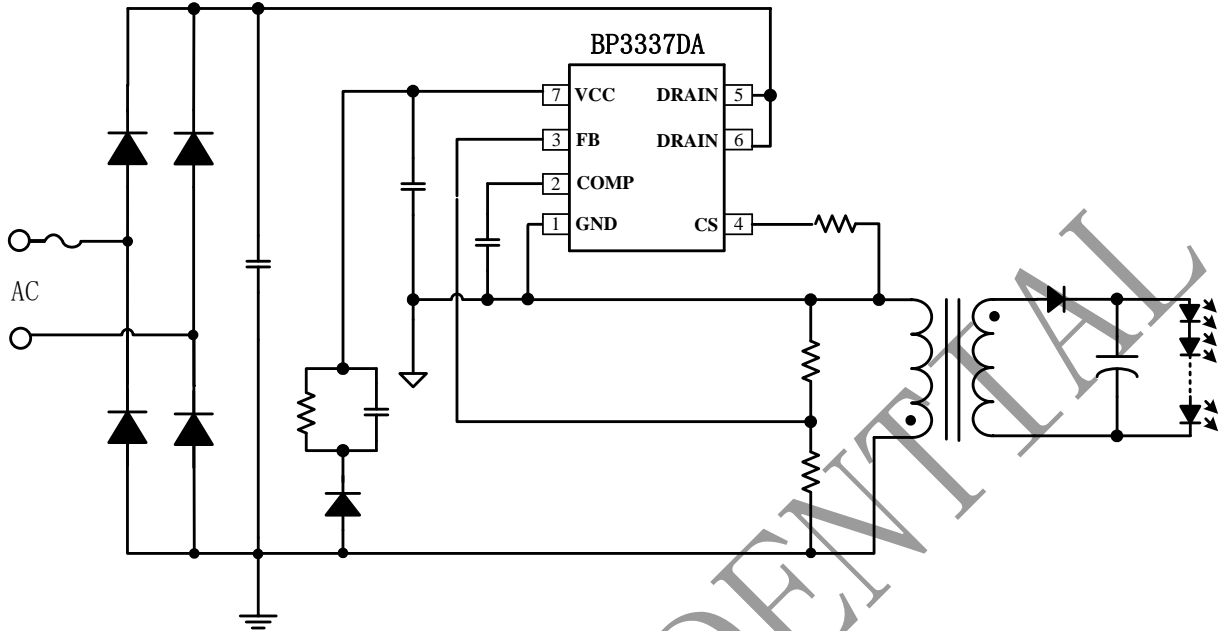
Typical Application

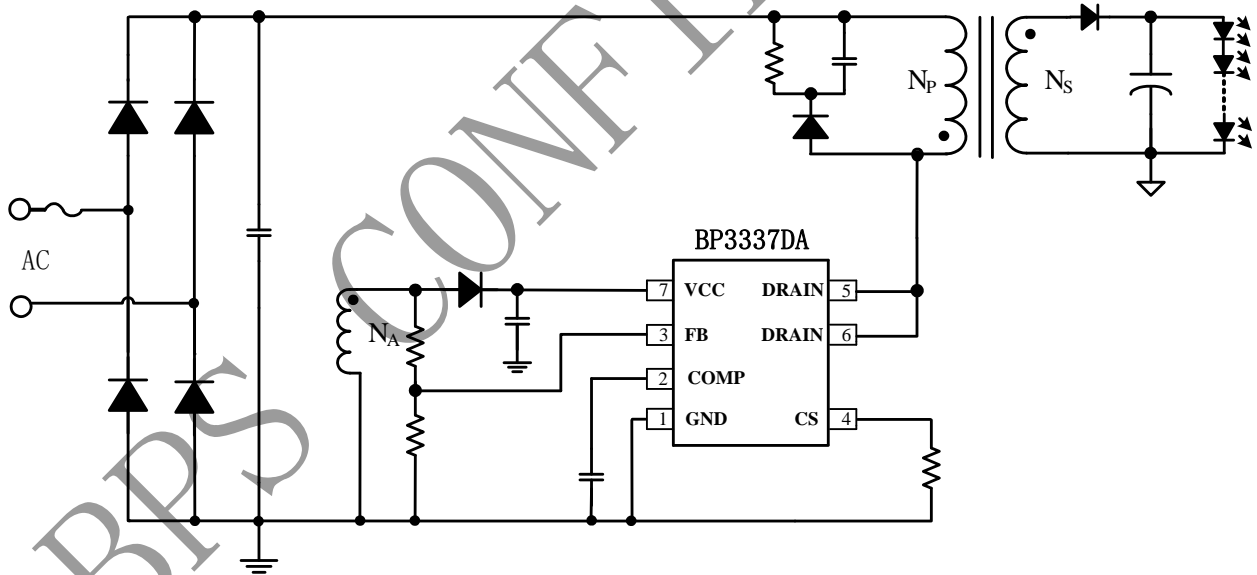Fig 1 Grounded isolated application with Three-winding transformer

Fig 2 Floating application with two-winding flyback transformer

Ordering Information

Part number	Package	Temperature Range	Packing	Marking
BP3337DA	DIP-7	-40 ℃ to 105 ℃	50 pcs/tube	BP3337D 12345CX H1XXWWA

Pin Definition

12345：Lot Number
WW：周号
C:供应商
X:补位
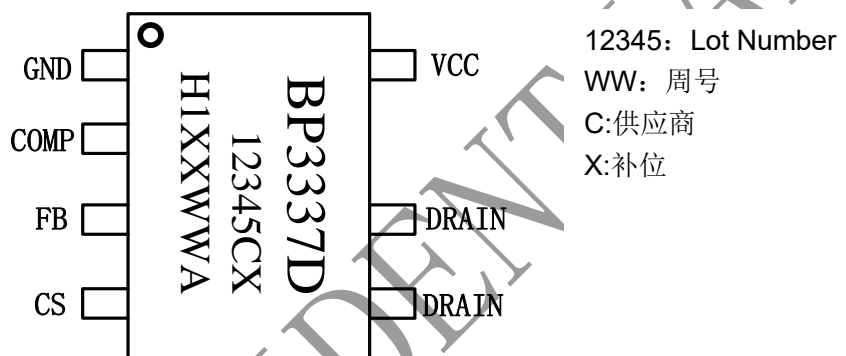
Fig 3 Pin assignments

Pin Description

Number	Name	Description
1	GND	IC ground
2	COMP	Loop compensation
3	FB	ZCD detection and input/output voltage detection
4	CS	Primary side current sense, connected with sense resistor
5	DRAIN	DRAIN of internal MOSFET
6	DRAIN	DRAIN of internal MOSFET
7	VCC	Power supply for IC

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