



BP85226D

Ultra-high Integration Off-line Switcher IC

Description

The BP85226D is a high performance, highly integrated power supply switcher IC with low standby consumption. The BP85226D can be configured as buck, buck-boost topologies for universal 85-265VAC inputs.

The BP85226D integrates a 650V power MOSFET, a high-voltage current source for self-biasing, a current sensing circuit, an output feedback circuit, a freewheeling diode and an advanced controller. External VCC capacitor and loop compensation components can be eliminated, which reduces cost and size of overall power systems, and improves reliability.

The BP85226D employs advanced multi-mode control algorithm. As a result, the no-load power consumption and the average efficiency have been improved, and the audible noise is reduced.

The BP85226D features comprehensive protections, including short circuit protection (SCP), output over voltage protection (OVP), over load protection (OLP), FB open loop protection, cycle-by-cycle current limit, and over temperature protection (/

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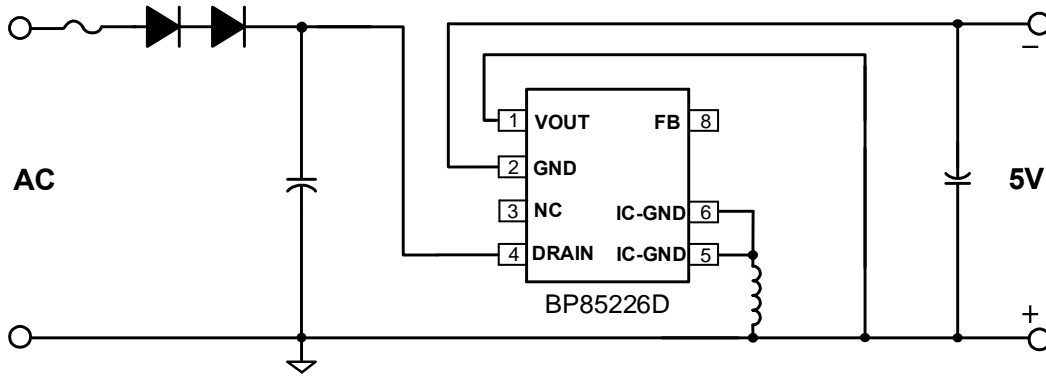


Figure 2 Typical buck-boost application with the EP85226D

Ordering Information

Part Number	Package	Packing	Marking
EP85226D	SOP-7	Tape & Reel 4000pcs/Reel	EP85226 X000XYY ZZZZVWD

Pin Configuration and Marking Information



Figure 3 SOP-7 pin configuration

Pin Functions

Pin NO.	Pin Name	Description
1	VOUT	Output voltage pin. Anode of the internal feedback diode.
2	GND	Ground reference for the output voltage. Anode of the internal freewheeling diode.
3	NC	Not connected.
4	DRAIN	Drain connection of the internal power MOSFET. Input of the high-voltage current source.
5 6	IC-GND	Ground reference for the IC. Source connection of the internal power MOSFET. Cathode of the internal freewheeling diode.
8	FB	Voltage feedback pin. Cathode of the internal feedback diode. No external connection is required.

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