

High-Voltage Half-Bridge Driver with Inbuilt Oscillator featuring Brown-out and Autorecovery Enable Input, MOSFET & Power Driver ICs HV HALF-BRIDGE DRIVER

Manufacturers	ON Semiconductor, LLC
Package/Case	SOP-8
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for NCP1392BDR2G or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The NCP1392B is a self-oscillating high voltage MOSFET driver primarily tailored for the applications using half bridge topology. Due to its proprietary high-voltage technology, the driver accepts bulk voltages up to 600 V. Operating frequency of the driver can be adjusted from 25 kHz to 480 kHz using a single resistor. Adjustable Brown-out protection assures correct bulk voltage operating range. An internal 100 ms PFC delay timer guarantee that the main downstream converter will be turned on in the time the bulk voltage is fully stabilized. The device provides fixed dead time which helps lowering the shoot-through current.

Features

Minimum frequency adjust accuracy 3 %

Keeps the converter in the right region & simplifies design

Brown-out input

Simple PFC association, design flexibility

100 ms PFC delay timer

Allows PFC bulk voltage to stabilize before device operation

1 A / 0.5 A Peak Current Sink / Source Drive

High gate drive capability

Fixed Dead Time Available in 0.3 us, 0.6 us, & 1.1 us

Design flexibility, prevents shoot-through currents and allows body diode to discharge

Application

ONSEMI



Related Products



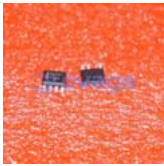
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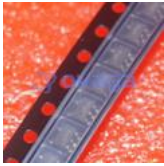
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