



New Product Announcement

APR346

Smallest Secondary Side Synchronous Rectifier Controller for 5V-20V Flyback Power Supplies

The APR346 is a secondary side MOSFET driver for synchronous rectification in offline flyback power supplies.

Packaged in the small SOT26 package, and requiring only 4 external components, it senses the external MOSFET's drain-to-source voltage and drives the MOSFET reducing the voltage drop and system power dissipation.

The APR346 supports CCM, DCM and quasi-resonant mode in flyback topologies.

The APR346 provides the smallest footprint, high performance solution for 5V-20V output voltage applications at a very competitive BOM cost.



The Diodes Advantage

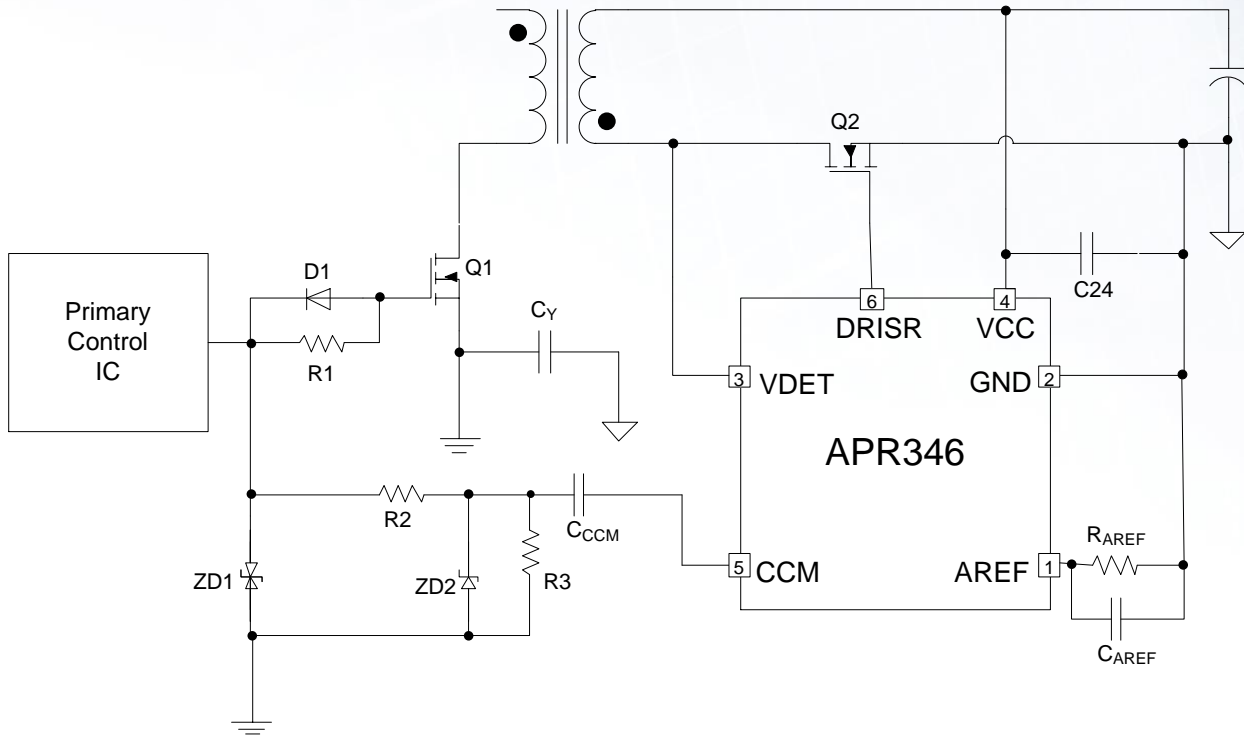
The APR346 is a small footprint, high performance, cost effective synchronous rectification solution for 5V-20V power converters in portable, consumer and home automation applications.

- **Synchronous rectification with external MOSFET**
Improves efficiency by reducing the secondary side rectifier power losses.
- **Available in SOT26 package using fewer external components**
Saving BOM cost and layout size
- **Supports CCM, DCM and Quasi-Resonant modes**
Extending more application

Applications

- General Adapters
- Notebook
- Power strip
- USB-PD
- Other portable apparatus

Typical Application Schematic



Product Overview

Part Number	Internal Trigger Voltage (V)	VCC MAX (V)	Operating Current (μA)	Turn-Off Threshold Voltage (mV)	Package Outlines	Operating Mode
AP346	NC	28	200	-6	SOT26	DCM/CCM

To find out more information: <https://www.diodes.com/part/APR346>