



New Product Announcement

AP22966

5V Dual Channel Programmable Load Switch

The AP22966 is an integrated dual N-Channel load switch that features a per channel adjustable slew rate, that is settable via an external capacitor.

The N-channel MOSFET's have a typical $R_{DS(ON)}$ of $18m\Omega$, enabling current handling capability of up to 6A

Soft Start Time

A capacitor to GND on the SS pin sets the slew rate for each channel.

The AP22966 is enabled when EN pins is high and then increases V_{out} voltage linearly and gradually turns on the MOS. This limits input inrush current.



The Diodes Advantage

The AP22966 Integrated Soft Start Function for System Power switch control.

- **6A Dual Channel in DFN PKG**
Increases power density for system power (3.3v and 5v) load switch applications
- **Low 18mΩ high-side switch**
Reduces output voltage drop and power dissipation
- **Internal Quick Discharge**
Provides controlled discharge of the output voltage stored on the output capacitor

Applications

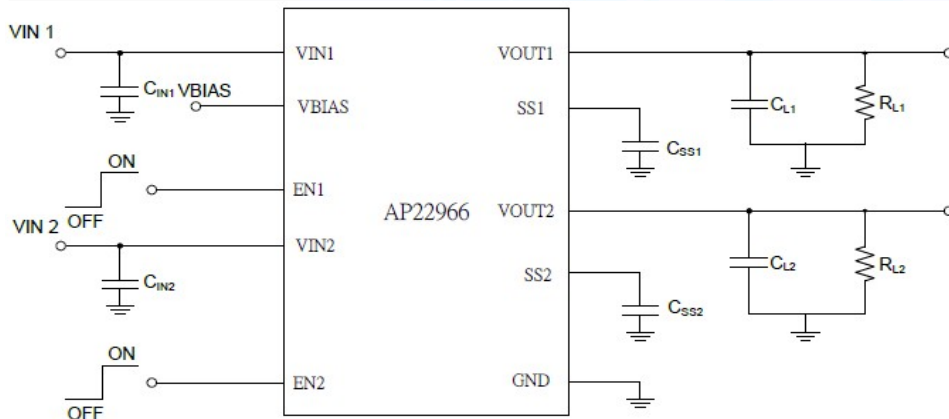
- Notebook
- Set top Box
- Computing
- Networking
- Ultrabook
- SSD
- Consumer Electronics



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Typical Application Schematic



Product Portfolio

Part	Min. Input Voltage	Max. Input Voltage	Max. Output Current	Max. Pulsed switch current	Enable	Package
AP22966DC8-7	0.8	5.5	6	8	Active High	DFN3020

Ordering Information

Device	Package Code	Packaging	Package marking info.	Reel Size	Tape Width	Quantity
AP22966DC8-7	DC8	V-DFN3020-14	WE YWX	7"	8 mm	3000

All variants are in packages that are "Green" Molding Compound (No Br, Sb) with Lead Free Finish/RoHS Compliant (Note 1)
 Notes:1. EU Directive 2002/95/EC (RoHS). All applicable RoHS exemptions applied, see EU Directive 2002/95/EC Annex Notes
 2 Codes for date coding on part marks
 Y Year 0-9 YY Year 08, 09 etc W A-Z week 1-26 a-z week 27-53 WW Week 01-52 X A-Z: Green