



## New Product Announcement

AP21410/  
AP21510

# 0.2A Single Channel Current-Limited Power Switch

The AP21410 and AP21510 are integrated high-side power switches optimized for power delivery protection in digital communication ports such as HDMI, USB and other hot-swap applications.

The AP21410 and AP21510 are available with low and high (respectively) polarities of Enable input.

They offer current and thermal limiting and short circuit protection as well as controlled rise time and undervoltage lockout functionality.



### The Diodes' Advantage

- **Reverse Current Blocking**  
When  $V_o > V_{in}$  or device is disabled, AP21410/AP21510 prevents reverse output current flow back through to input
- **Extensive Protection Functions**  
Overcurrent, short-circuit and over-temperature protection as well as controlled rise times with undervoltage lockout.
- **Small Footprint U-DFN2018-6 Package with Minimal External Components**  
Reduced BOM cost and solution size

### Applications

Power rail protection in:

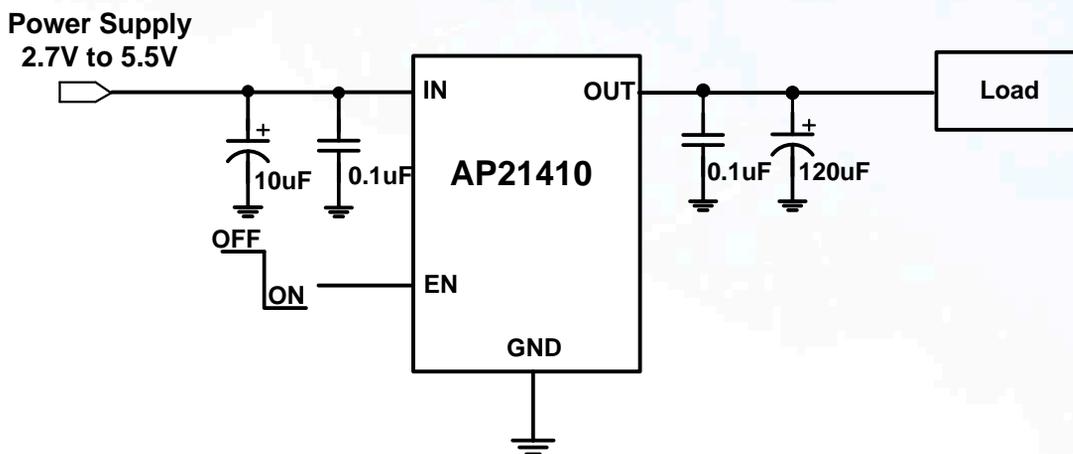
- Tablets
- LCD TVs & Monitors
- Computing
- Networking
- Ultrabooks
- Set-Top-Boxes
- Docking stations



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## Typical Application



## Product Portfolio

Part	Minimum Input Voltage	Maximum Input Voltage	Maximum Output Current	Enable	Package
AP21410FM-7	2.7	5.5	0.25	Active Low	U-DFN2018-6
AP21510FM-7	2.7	5.5	0.25	Active High	U-DFN2018-6

## Ordering Information

Part	Package Code	Packaging	Package Marking	Reel Size	Tape Width	Quantity
AP21410FM-7	FM	U-DFN2018-6	GA YWX	7"	8 mm	3,000
AP21510FM-7	FM	U-DFN2018-6	GP YWX	7"	8 mm	3,000