



New Product Announcement

AP3403

600mA Step-down DC-DC Converter with Synchronous Rectifier

The AP3403 is a current mode, PWM synchronous buck DC-DC converter, capable of driving a 600mA load with high efficiency as well as excellent line and load regulation.

It is developed to meet the demands of notebooks, cellphones and tablets.

The AP3403 has built-in 2MHz switching frequency, which allows for small external components.

AP3403 has build-in output overvoltage protection, input undervoltage lockout, over-temperature protection and hiccup mode at short circuit protection.

The AP3403 is available in the U-DFN1616-6 package.



The Diodes' Advantage

- **High Switching Frequency Operation**

For small external components and excellent transient response

- **Protection**

Overvoltage protection, undervoltage lockout, over-temperature protection and hiccup mode at short circuit protection.

- **Package – U-DFN1616-6**

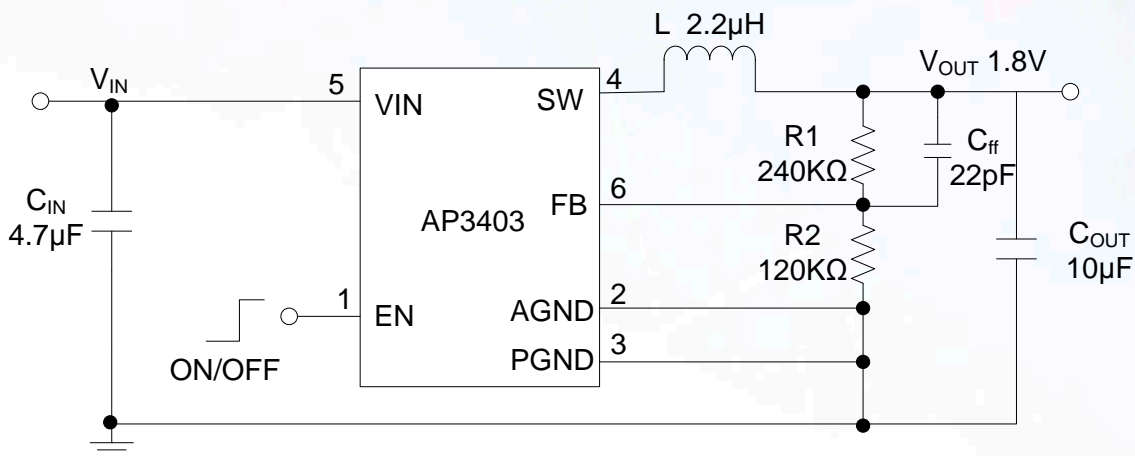
Provides a good thermal solution

Applications

- Cellphones
- Tablets
- Notebooks



Typical Application Schematic



Product Portfolio

Part	Min. Input Voltage (V)	Max. Input Voltage (V)	Output Voltage (V)	Output Current (A)	Frequency (kHz) typ	Internal Vref (V) typ	Efficiency (%)	Standby Quiescent Current (µA) typ	Operating Ambient Temp Range (°C)	Features							Available Packages
										Enable Pin	Current Limit Protection	Thermal Shutdown	Adjustable Output Voltage	Under Voltage Lockout	Programmable Soft start	Power Good	
AP3403	2.3	5.5	0.7~5.5	0.6	2,000	0.6	95	35	-40 to +85	Y	Y	Y	Y	N	Y	N	U-DFN1616-6

To find out more information:

Synchronous Rectified Step up Converter Web page : http://diodes.com/catalog/buck_converter_57/

Ordering Information

Device	Packaging	Identification Code	Reel Size	Quantity
AP3403FLJ-7	U-DFN1616-6	DE	7"	3,000