

# 10µA IQ, 0.85V Startup, 1MHz, 300mA Iout Synchronous Step-Up DC-DC

#### FEATURES

- 10µA No Load Supply Current
- Low Vin Start-up Voltage down to 850mV
- Capable of delivering 300mA lour at Vin=3.0V, V out=3.3V
- 1MHz Switching Frequency
- Input boost-strapping allows using small cap
- Low Noise PWM control
- Internally Compensated Current Mode Control
- Internal Synchronous Rectifier
- Logic Control Shutdown (Ia<IuA)</li>
- Available in SOT23-5

#### APPLICATIONS

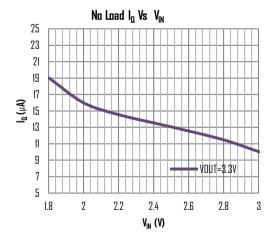
- Medical Instruments
- Bluetooth Headsets
- Flash-Based MP3 Players
- Wireless Mice
- One to Three Cell Battery Operated Devices

## DESCRIPTION

The ETA1017 is a step-up converter that provides a boosted output voltage from a low voltage source. Because of its proprietary design, it starts up at a very low input voltage down to 850mV. Along with its 10uA ultra-low no load input current, it is an ideal choice for single cell alkaline/NiMH battery operations.

A switching frequency of IMHz minimizes solution footprint by allowing the use of tiny, low profile inductors and ceramic capacitors. The current mode PWM design is internally compensated, reducing external parts count.

ETA1017 is housed in a tiny SOT23-5 package.



### TYPICAL APPLICATION

