

AT6731

White LED Step-Up Converter



Immense Advance Tech.

FEATURES

- Inherently Matched LED Current
- Drives Up to 27 LEDs From a 5V Supply
- 36V Rugged Bipolar Switch
- Fast 1.2MHz Switching Frequency

APPLICATION

- Cellular Phones
- PDAs, Handheld Computers
- Digital Cameras
- Mp3 Players
- GPS Receivers

DESCRIPTION

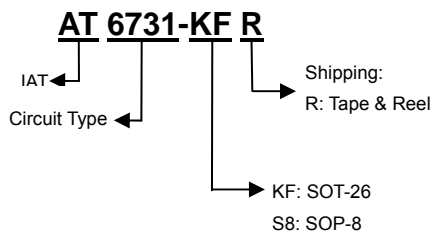
The AT6731 is a step-up DC/DC converter specifically designed to drive white LEDs with a constant current. The device can drive up to 27 LEDs from a 5V supply.

The AT6731 implements a 1.2MHz control scheme. The high frequency operation saves board space by reducing external component sizes.

To optimize efficiency, the feedback voltage is set to only 95mV. This reduces the power dissipation in the current set resistor and allows the lowest total output voltage, hence minimal current draw from the battery.

Additional feature include output voltage limiting when LEDs are disconnected.

ORDER INFORMATION



PIN CONFIGURATIONS (TOP VIEW)

