

AT7391

Universal High Brightness LED Driver



Immense Advance Tech.

FEATURES

- 15V_{DC} to 450V_{DC} Input Voltage Range
- Universal rectified 85V_{AC} to 265V_{AC} Input Voltage Range
- > 90% Efficiency
- Constant Current LED Driver
- Drives from 1 to Hundreds of LEDs in Series/Parallel Combinations
- Linear or PWM Brightness Control
- Resistor Programmable Switching Frequency
- Thermal Shutdown

APPLICATION

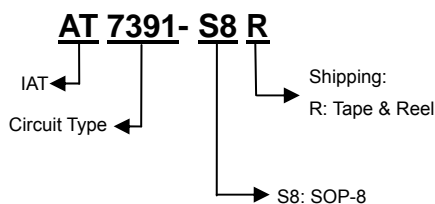
- Flat Panel Display RGB Backlighting
- Signage and Decorative LED Lighting
- DC/DC or AC/DC LED Driver Applications

DESCRIPTION

The AT7391 is a high-efficiency LED driver.

Manufactured using a dialectically isolated process the AT7391 can operate from 15V to 450V. This highly versatile input operating voltage enables a broad range of High Brightness (HB) LED applications. The AT7391 drives an external MOSFET at a fixed oscillator frequency set by an external resistor. Peak constant current to an LED string is maintained by modulating the MOSFET GATE signal on and off through the external current sense resistor connected to the CS input. Dimming of LED string is controlled by adjusting the duty cycle of the PWM_D input, or applying a DC control voltage to the LD input.

ORDER INFORMATION



PIN CONFIGURATIONS (TOP VIEW)

