

Parameters Subject to Change Without Notice

DESCRIPTION

JW[®]1796 is a non-isolated, constant output current step-down LED driver with 500V MOSFET integrated. Operating in the boundary mode makes it high efficiency and low radiation. Patented algorithms ensure good current accuracy and excellent line/load regulations with lowest BOM cost.

JW1796 is supplied from the MOSFET drain directly, so the auxiliary winding is eliminated, which can light up the LED within 100mS.

With unique sampling techniques, JW1796 has multi-protection functions which can largely enhance the safety and reliability of the system, including VDD UVLO, inductor short protection, LED short protection and over-temperature protection.

Company's Logo is Protected, "JW" and "JOULWATT" are Registered

Trademarks of JoulWatt technology Inc.

FEATURES

Integrate 500V, Low R_{dson} MOSFET

Integrated HV Power Supply Circuit

No Auxiliary Detecting Winding

Boundary mode operation

Excellent line/load regulation

Universal Input Application

LED SCP

VDD UVLO

Over-temperature protection

SOP8 packages

APPLICATIONS

LED Lighting

TYPICAL APPLICATION

