

Parameters Subject to Change Without Notice

DESCRIPTION

The JW[®]1756B is a constant current LED driver with high current accuracy which applies to single stage Boost power factor corrected LED drivers. JW1756B integrates high voltage power source, and can be supplied by line voltage directly, and auxiliary winding is not needed.

High accuracy of output current is achieved by sampling the output current directly. Critical conduction mode operation reduces the switching losses and largely increases the efficiency.

JW1756B has multi-protection functions which largely enhance the safety and reliability of the system, including VCC over-voltage protection, VCC UVLO, LED open protection and over-temperature protection.

Company's Logo is Protected, "JW" and "JOULWATT" are Registered Trademarks of JoulWatt technology Inc.

FEATURES

- No auxiliary winding
- High current accuracy of line and load regulation
- High power factor
- Critical conduction mode
- High efficiency over wide operating range
- LED open protection
- Freewheeling diode open protection
- Over-temperature protection
- SOP8 package

APPLICATIONS

- Non-isolation Offline LED driver

TYPICAL APPLICATION

