



JW1967A/JW1967B/JW1967C/JW1967CH JW1967D/JW1967E/JW1967EH

BUCK LED Regulator With Power Factor Correction

Parameters Subject to Change Without Notice

DESCRIPTION

The JW[®]1967A/JW1967B/JW1967C/JW1967CH/JW1967D/JW1967E/JW1967EH(JW1967X series) is a constant current LED regulator which apply to single stage step-down power factor corrected LED drivers.

JW1967X series integrates high voltage power source, and can be supplied by line voltage directly, auxiliary winding and VCC capacitor are not needed.

Patented current sensing and digital compensation technics ensure a unit power factor and high accuracy output current. The critical conduction mode operation reduces the switching losses and increases the efficiency.

JW1967X series has multi-protection functions which largely enhance the safety and reliability of the system, including LED open protection, LED short protection and over-temperature protection.

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FEATURES

- No auxiliary winding and VCC capacitor
- Supplied from line voltage directly
- High current accuracy of line and load regulation
- Internal compensation PFC technics
- Critical conduction mode
- High efficiency over wide operating range
- High voltage power MOSFET integrated
- LED open protection
- LED short protection
- Internal over-temperature protection
- SOP7 and DIP7 package

APPLICATIONS

- Non-isolation Offline LED driver

TYPICAL APPLICATION

