

*Parameters Subject to Change Without Notice*

### DESCRIPTION

JW<sup>®</sup>16976 is a TRIAC dimmable single channel linear LED driver with patented Smart Bleeder technic iBD.

JW16976 supplies from the line voltage directly which enables the normal operation in all dimming range.

With unique algorithms, JW16976 can largely decrease the power loss of the bleeder circuit with a good dimming performance, which can dramatically lower the system thermal stress and enhance the reliability of the LED lighting system. JW16976 recognizes the type of TRIAC dimmers and controls internal bleeder to sink enough holding current.

JW16976 provides over temperature protection. When temperature inside chip exceeds 150°C, LED current deceases, which can help chip cooling.

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### FEATURES

- Direct Line Operation
- Integrated 500V bleeder
- High Efficiency Bleeding Technics
- Dimmer Detection Integrated
- Good Dimmer Compatibility
- No EMI issues.
- Low BOM Cost
- Over Thermal Protection
- ESOP8 Package

### APPLICATIONS

- LED lighting

### TYPICAL APPLICATION

