

*Parameters Subject to Change Without Notice*

### DESCRIPTION

JW<sup>®</sup>1851 is a dual color LED regulator, which is very simple to use in light-color dimming system. The warm color or cold color LED current is determined by external resistors. It supports applications with high input voltage up to 500VDC.

Specially designed current sensing techniques help to realize the color dimming function, and the dimming curve is easy to be defined according to customer requirements.

JW1851 provides over temperature protection function to prevent device damaging. IC reduces OUT1 current When temperature inside chip exceeds 150°C, which helps the chip cooling.

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### FEATURES

- Supports dual color LED strings
- Ultra-low quiescent current
- 500V MOS built-in
- Low BOM cost with only 2 SMD resistors
- Over temperature protection.
- No EMI issues.
- SOT89-3 package

### APPLICATIONS

- Dual-Color Bulb lamp, Light-Color Dimming

### TYPICAL APPLICATION

