

## DESCRIPTION

The PT6726 is a 16-channel current sink driver for LED clusters. It contains a serial buffer and data latches which convert serial input data into parallel output format. At output stage, sixteen regulated current ports are designed to provide uniform and constant current sinks for driving LEDs. The output current is determined by an external resistor and the brightness control code, both set by users. PT6726 can be used to control LEDs intensity with output enables as PWM input function. PT6726 provides users with great flexibility and performance. Users may adjust the output current from 5mA to 90mA, which gives users flexibility in controlling the light intensity of LEDs. The PT6726 guarantees to endure maximum 17V at the output port.

## FEATURES

- 16-channel constant current sink output
- Output current invariant to load voltage change
- Serial data in/parallel data out
- Constant output current range: 5~90mA@5V
- Output current accuracy:
  - ICs skew: <math>< \pm 6\% \text{ (max.)}</math>
  - Bits skew: <math>< \pm 3\% \text{ (max.)}</math>
- 3~5.5V supply voltage
- 25 MHz clock frequency
- Package: SOP24/SSOP24/QFN24/DIP24

## APPLICATION

- LED display/ RGB cluster control

## BLOCK DIAGRAM

