

16-BIT CONSTANT CURRENT LED DRIVER

GENERAL DESCRIPTION

The AS6726 is specifically designed for LED display constant current drivers.

This constant current output circuits is able to setup by external resistor ($I_{OUT} = 5 \sim 90\text{mA} @ V_{DD}=3.0\text{V}\sim 6\text{V}$).

This IC is monolithic integrated circuit designed to be used together with CMOS process.

The devices consist of 16 bit shift register, latch, and Constant Current Drivers.

FEATURES

- * 16 Constant Current Output Channels :
Can be setup all output current with one external resistor for 5 to 90mA @ $V_{DD}=3.0\text{V}\sim 6\text{V}$
- * Maximum Output Voltage : 17V
- * Maximum Clock Frequency : 25 MHz (Cascade Connect Operate, $T_{opr} = 25^\circ\text{C}$)
- * 5V/3.3V CMOS Compatible Input
- * Package Type : QFN-24
- * Constant Output Current Matching :

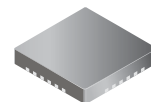
Current Matching Between Bits	Current Matching Between ICs	Output Current
< $\pm 3\%$	< $\pm 6\%$	10 ~ 90mA

APPLICATIONS

- * Full-color LED Display
- * Message & Information Display
- * LED Sign Board for Outdoor/Indoor

PACKAGE

24-contact QFN
4 mm × 4 mm × 0.75 mm
(Package Q)



BLOCK DIAGRAM

