

MBI5024

Features

16 current output channel

Current output value from the output load voltage change

And so the current range value,

1-45mA @ V_{DD} = 5V;

1-30mA @ V_{DD} = 3.3V

Extremely accurate current output value,

Between channels: $<\pm 1.5\%$ (general value); $<\pm 2.5\%$ (max);

The difference in value between the chip: $<\pm 1.5\%$ (general value); $<\pm 3.0\%$ (max).

The use of an external resistor to set the current output value

The rapid response of output current, OE: 70ns (to keep the output under the conditions of consistency)

25MHz clock frequency

Schmitt trigger input device

Operating voltage: 3.3 V / 5 V

"Pb-Free & Green" Package

Product Description

MBI5024 is PrecisionDrive™ technology, designed for LED display driver IC panel design CMOS shift register which tied its built-in

Lock function, you can convert serial input data into parallel output data format. The MBI5024 the range of input voltage is 3.3 volts to 5 volts, providing 16

Current source can be provided at each output stage 1 ~ 45mA given amount of current to drive the LEDs; and single one output channel current differences within the IC is less than $\pm 2\%$ @ IOUT

= 25mA, $\pm 2.5\%$ @ IOUT = 1mA; multi-site IC output current difference of less than $\pm 3\%$; current with the changes in the output withstand voltage (V_{DS}), control in every

Volts 0.1%; and the current is limited by the supply voltage (V_{DD}), changes in ambient temperature is also controlled within 1%. Users via optional external resistors of different resistance to

From each of the output stage of the current size of the adjustment MBI5024 this mechanism, the user can precisely control the emission luminance of the LED.

The MBI5024 design to ensure that its output stage with a voltage of 17 volts, so you can cascade multiple LEDs on each output. In addition, MBI5024 also provides 25MHz

The high clock frequency to meet the demand on the transmission of large amounts of data.