

Product Overview

CAT4104: LED Driver, 4-Channels, 700 mA

For complete documentation, see the data sheet.

The CAT4104 provides four matched low dropout current sinks to drive high-brightness LED strings up to 175 mA per channel. The LED channel current is set by an external resistor connected to the RSET pin. The LED pins are compatible with high voltage up to 25 V supporting applications with long strings of LEDs. The EN/PWM logic input supports the device enable and high frequency external Pulse Width Modulation (PWM) dimming control. Thermal shutdown protection is incorporated in the device to disable the LED outputs whenever the die temperature exceeds 150°C.

Features

- 4 matched LED current sinks up to 175 mA
- Up to 25 V operation on LED pins
- Low dropout Current Source (0.4 V at 175 mA)
- LED current set by external resistor
- High frequency PWM dimming via EN/PWM
- Zero current Shutdown mode
- Thermal shutdown protection

Applications

- LCD Backlighting

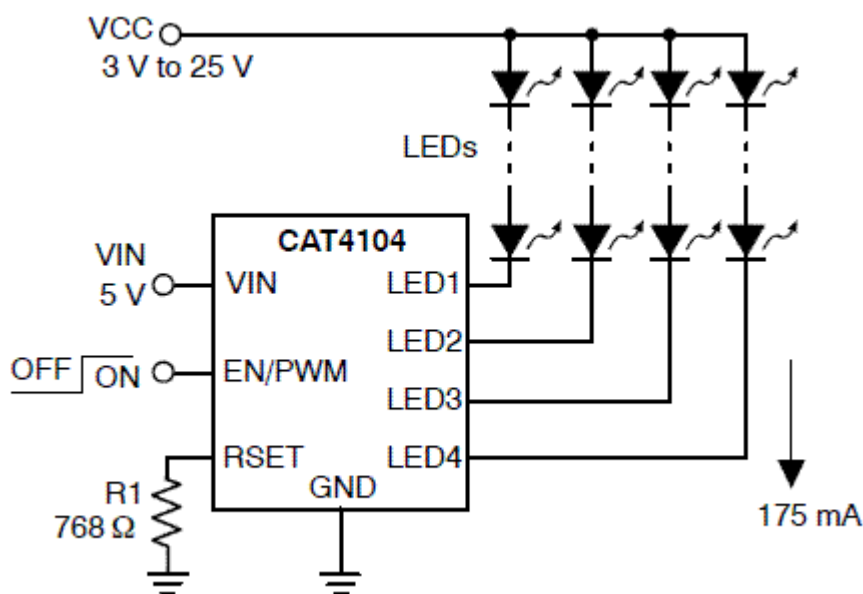
End Products

- Automobiles
- Architectural Lighting

Part Electrical Specifications

| Product | Pricing (\$/Unit) | Compliance | Status | V _I Max (V) | I _O Max (mA) | LEDs in Series, Max # | LEDs in Parallel, Max # | Package Type |
|----------------|-------------------|------------------------|--------|------------------------|-------------------------|-----------------------|-------------------------|--------------|
| CAT4104V-GT3 | 0.6533 | Pb-free Halide free | Active | 5.5 | 700 | 8 | 4 | SOIC-8 |
| CAT4104VP2-GT3 | 0.6533 | Pb-free Halide free | Active | 5.5 | 700 | 8 | 4 | TDFN-8 |

Application Diagram



For more information please contact your local sales support at www.onsemi.com.

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