

2 CHANNELS 150mA HIGH VOLTAGE ADJUSTABLE CURRENT REGULATOR

DESCRIPTION

A703 is a high voltage, adjustable constant current driver for LED applications. Two regulated current ports are designed to provide uniform and pure DC constant current sinks for driving LEDs within a large range V_F variations.

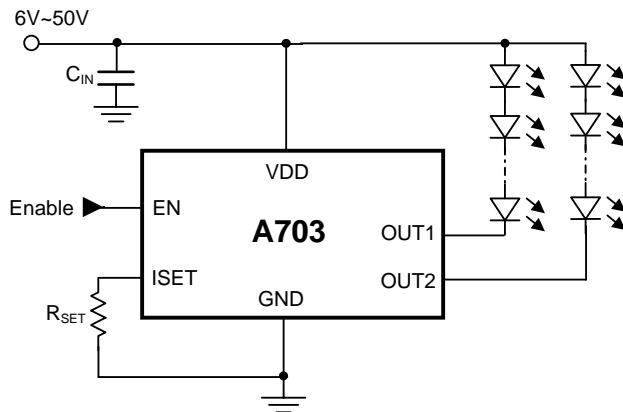
A703 provides 2-channel constant current ports to match LEDs with equal current. Users may adjust the output current from 20mA to 150mA through an external resistor, R_{SET} , which gives users flexibility in controlling the light intensity of LEDs. It also could adjust LED brightness from 0% to 100% via enable pin (EN) with Pulse Width Modulation signal.

The thermal protection function protects IC from over temperature (150°C). Also, the thermal pad enhances the package power dissipation capability.

FEATURES

- 2 constant-current output channels
- Output current adjustable through external resistor
- Constant output current range: 20mA~150mA
- Wide supply voltage range: 6V~50V
- 75V output sustaining voltage
- 1uA shut-down current
- Lead free Package

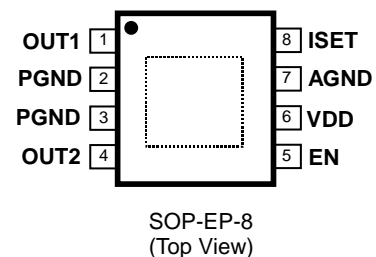
TYPICAL APPLICATION CIRCUIT



APPLICATIONS

- Automotive interior lighting
- Channel letter
- LED backlight driver for photo-frame, portable DVD, LCD Monitor, and LCD TV.
- Indoors lighting.

PACKAGE PIN OUT



ORDER INFORMATION

T_A (°C)	E	SOP-EP
		8 pin
-40 ~ 85		A703EFT

Note: 1. All surface-mount packages are available in Tape & Reel. Append the letter "T" to part number (i.e. A703EFT).
2. The letter "F" is marked for Lead Free process.

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