

Product Overview

LV8732V: Stepper Motor Driver, PWM, Constant Current Control

For complete documentation, see the data sheet.

The LV8732V is a 2-channel H-bridge driver IC that can switch a stepper motor driver, which is capable of micro-step drive and supports 2W 1-2 phase excitation, and two channels of a brushed motor driver, which supports forward, reverse, brake, and standby of a motor. It is ideally suited for driving brushed DC motors and stepper motors used in office equipment and amusement applications.

Features

- Low on resistance (upper side : 0.3Ω; lower side : 0.25Ω; total of upper and lower : 0.55Ω; Ta = 25°C, IO = 2A)
 - Excitation mode can be set to 2-phase, 1-2 phase, W1-2 phase , or 2W1-2 phase
 - Motor current selectable in four steps
 - Output short-circuit protection circuit (selectable from latch-type or auto-reset-type) incorporated
 - No control power supply required
 - CLK-IN Input
 - Single-channel PWM current control stepper motor driver (selectable with DC motor driver channel 2) incorporated.
 - BiCDMOS process IC
 - Excitation step proceeds only by step signal input
 - Unusual condition warning output pins
- For more features, see the data sheet

Applications

- Stepper/Brush DC Motors
- Computing & Peripherals
- Industrial

Benefits

- High Efficiency
- Various Step Adjustment Available
- Low Consumption
- Safety Design
- Easy Design
- Easy Control for Micro-step Drive

End Products

- Printers
- Flatbed Scanner
- Inkjet Printer
- Multi-Function Printer
- Document Scanner

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