

## 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 : 0.3; lower side : 0.25; total of upper and lower : 0.55; 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.
  - BiCMOS process IC
  - Excitation step proceeds only by step signal input
  - Unusual condition warning output pins
- For more features, see the data sheet

#### Benefits

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

#### Applications

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

#### End Products

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

### Part Electrical Specifications

Product	Compliance	Status	V <sub>M</sub> Min (V)	V <sub>M</sub> Max (V)	V <sub>CC</sub> Min (V)	V <sub>CC</sub> Max (V)	I <sub>O</sub> Max (A)	I <sub>O</sub> Peak Max (A)	Step Resolution	Control Type	Feedback Method	Current Sense	Regulator Output	Fault Detection	Flyback Protection	R <sub>DS(on)</sub> Typ (Ω)	Package Type
LV8732V-TLM-H	Pb-free Halide free	Active	9	32	9	32	2	2.5	?	Parallel		External Resistor		Over-Current		0.55	SSOP-44K EP

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com)

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