

Product Overview

LV8729V: Stepper Motor Driver, PWM, Constant Current Control, 9 - 32 V

For complete documentation, see the data sheet.

The LV8729V is a PWM current-controlled micro step bipolar stepper motor driver. This driver can do eight ways of micro step resolution of 1/128 step from Full step, and can drive simply by the CLK input.

Features

- Output on-resistance (upper side : 0.35Ω ; lower side : 0.3Ω ; total of upper and lower : 0.65 ; Ta = 25°C, IO = 1.8A)
- 2-phase, 1-2 phase, W1-2 phase, 2W1-2 phase, 4W1-2 phase, 8W1-2 phase, 16W1-2 phase, 32W1-2 phase excitation are selectable.
- Over current protection circuit.
- Thermal shutdown circuit.
- Single-channel PWM current control stepper motor driver.
- BiCDMOS process IC.
- Advance the excitation step with the only step signal input.
- Available forward reverse control.
- Input pull down resistance
- With reset pin and enable pin

For more features, see the data sheet

Benefits

- Low Consumption
- Various Step Adjustment Available, Low vibration, Silent drive are possible
- Current protection
- Thermal protection

Applications

- Stepper Motors
- Computing & Peripherals
- Industrial

End Products

- Security cameras
- Flatbed Scanner
- Inkjet Printer
- Multi-Function Printer
- Document Scanner

Part Electrical Specifications

Product	Compliance	Status	V _M Min (V)	V _M Max (V)	V _{CC} Min (V)	V _{CC} Max (V)	I _O Max (A)	I _O Peak Max (A)	Step Resolution	Control Type	Current Sense	Fault Detection	Package Type
LV8729V-TLM-H	Pb-free Halide free	Active	9	32	9	32	1.8		1/128	Clock	External Resistor	Over-Current	SSOP-44K EP

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

Created on: 2/15/2019