

Product Overview

LV8772: Stepping Motor Driver, PWM, Constant Current Control

For complete documentation, see the data sheet

Product Description

The LV8772 is a stepping motor driver, which is capable of micro-step drive and supports 4W 1-2 phase excitation. It has Low On Resistance with motor current selectable in four steps. The LV8772 is equipped with unusual condition warning output pins and output short-circuit protection feature to enhance the safety of the application. It is most suitable for the drive of a stepping motor for OA, amusements.

Features

- Low on resistance (total of upper and lower: 0.55ohm, Ta=25C)
 - Micro-step mode can be set to Full-step, Half-step, Quarter-step, or 1/16-step
 - Motor current selectable in four steps
 - Output short-circuit protection circuit incorporated
 - Built-in thermal shutdown circuit
 - No control power supply required
 - Vcc: 9 to 32 V
 - CLK-IN
 - Single-channel PWM current control stepping motor driver incorporated.
 - BiCDMOS process IC
- For more features, see the data sheet

Benefits

- High efficiency
- Various step adjustments available
- Low consumption capability
- Short protection
- Thermal protection
- Easy Design
- Wide range of supply voltage
- Easy control for micro-step drive

Applications

- Industrial
- Amusement

End Products

- Slot Machine
- Vending Machine
- Cash Machine
- PPC (Plain Paper Copier)
- LBP (Laser Beam Printer)

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	Feedback Method	Current Sense	Regulator Output	Fault Detection	Flyback Protection	R _{DS(on)} Typ (Ω)	Package Type
LV8772-E	Pb-free	Active	9	32	9	32	2.5	3	1	Clock		External Resistor		UVLO		0.55	PDIP-28 W/HEAT SPREADER / DIP-28H

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Created on: 6/11/2016