



Product Overview

LV8712T: Stepping Motor Driver, Constant-Current Control, PWM

For complete documentation, see the data sheet

Product Description

The LV8712T is a microstepping motor driver with built-in translator for easy operation. It supports full-step, half-step, quarter-step, and 1/8-step resolution. The LV8712T is optimal for driving stepping motors of scanners and small printers.

Features

- Excitation mode can be set to 2-phase, 1-2 phase, W1-2 phase, or 2W1-2 phase
- Microstep can control easily by the CLK-IN input.
- Output ON resistance RON = 1.1 (upper and lower total, typical, Ta = 25°C)
- Stand-by Current: 0uA
- TSSOP24 Package
- Single-channel PWM constant-current control stepping motor driver incorporated.
- Power-supply voltage of motor VM max = 18V
- Output current IO max = 0.8A
- A thermal shutdown circuit and a low voltage detecting circuit are built into.

Benefits

- Various Step Adjustment Available
- Easy control
- High Efficiency
- Low Consumption
- Small Design

Applications

- Stepper Motors
- Computing & Peripherals
- Industrial

End Products

- Point-of-Sale Printers
- Flatbed Scanner
- Document Scanner
- PoE Point of Sales Terminal
- PoE Security Camera

Part Electrical Specifications

Product	Compliance	Status	Type	VM Min (V)	VM Max (V)	VCC Min (V)	VCC Max (V)	IO Max (A)	IO Peak Max (A)	Step Resolution	Control Type	Feedback Method	Current Sense	Regulator Output	Fault Detection	Flyback Protection	RDS(on) Typ (Ω)	Package Type
LV8712T-MPB-H	Pb-free Halide free	Active	Stepper	4	16	2.7	5.5	0.8	1	1/2 1 1/8 ?	Clock		External Resistor		Over-Current Thermal UVLO		1.1	TSSOP-24
LV8712T-TLM-H	Pb-free Halide free	Active	Stepper	4	16	2.7	5.5	0.8	1	1/2 1 1/8 ?	Clock		External Resistor		Over-Current Thermal UVLO		1.1	TSSOP-24

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

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