Product Overview

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

For complete documentation, see the data sheet.

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 = 25C)
- 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	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
LV8712T-TLM-H	Pb-free Halide free	Active	4	16	2.7	5.5	0.8	1	¼	Clock	External Resistor	Thermal UVLO	TSSOP-24

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

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