



Product Overview

LV8711T: Stepping Motor Driver, PWM, Constant Current Control

For complete documentation, see the data sheet

Product Description

The LV8711T is a PWM constant-current control stepping motor driver which is low consumption, low heat and high efficiency. The device is suited to 2-cell battery applications. Its supply voltage range is from 4 V to 16 V, and stand-by mode current drain is almost zero. It can contribute to reduce costs and PCB size because of the built-in circuit to control current. It also can contribute to safe design of applications by several built-in protection functions.

Features

- Short circuit protection circuit incorporated
- Abnormal condition warning output pin incorporated
- Upper and lower regenerative diodes
- Thermal shutdown circuit incorporated
- Two circuits of PWM constant-current control H-bridge drivers incorporated
- Control of the stepping motor to 1-2 phase excitations possible
- Reference voltage output : 1.0V

Benefits

- Short protection
- Safety Design
- Safety Design
- Thermal protection

Applications

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

End Products

- Printers
- Flatbed Scanner
- Document Scanner
- PoE Point of Sales Terminal
- POS terminals

Part Electrical Specifications

Product	Compliance	Status	Type	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	Contr ol Type	Feed back Method	Curre nt Sense	Regu lator Outp ut	Fault Dete ction	Flyba ck Prote ction	Pack age Type
LV8711T-MPB-H	Pb-free Halide free	Active	Step per/ Brus h DC	4	18	2.7	6	0.8	1	$\frac{1}{2}$ 1		None	Exter nal Resis tor	Yes	Ove r- Cur rent Ther mal UV LO	Integ rated Activ e	TSS OP-24
LV8711T-TLM-H	Pb-free Halide free	Active	Step per/ Brus h DC	4	18	2.7	6	0.8	1	1 $\frac{1}{2}$		None	Exter nal Resis tor	Yes	Ove r- Cur rent Ther mal UV LO	Integ rated Activ e	TSS OP-24

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

Created on: 10/11/2013