



Product Overview

LV8746V: PWM Constant-Current Control Stepper Motor Driver

For complete documentation, see the data sheet

Product Description

The LV8746V is a stepper motor driver corresponding to the Quarter-step excitation drive that the selection of CLK-IN input and a parallel input is possible. It is ideally suited for driving stepper motors used in office equipment and amusement applications.

Features	Benefits
<ul style="list-style-type: none"> Low on resistance (upper side : 0.84 ; lower side : 0.7 ; total of upper and lower : 1.54 ; Ta = 25°C, IO = 1A) Excitation mode can be set to Full-step, Half-step Full torque, Half-step, or Quarter-step Motor current selectable in four steps Output short-circuit protection circuit (selectable from latch-type or auto-reset-type) incorporated CLK-IN input and a parallel input can be selected PWM current control stepper motor driver incorporated. BiCDMOS process IC CLK-IN input and a parallel input can be selected. Unusual condition warning output pins No control power supply required 	<ul style="list-style-type: none"> High Efficiency Various Step Adjustment Available Low Consumption Safety Design Various Input Type Available

Applications	End Products
<ul style="list-style-type: none"> Stepper Motors Computing & Peripherals Industrial 	<ul style="list-style-type: none"> Printers Flatbed Scanner Inkjet Printer Multi-Function Printer Document Scanner

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 Reso lution	Cont rol Type	Feed back Method	Curr ent Sens e	Reg ulato r Outp ut	Fault Dete ction	Flyb ack Prot ectio n	R _{DS(on)} Typ (Ω)	Pack age Type
LV8746V-MPB-E	Pb-free	Active	Step per	9	35	9	35	1	1.2	$\frac{1}{2}$ $\frac{1}{1}$?	Clo ck Par allel		Exter nal Resi stor		Over-Cur rent Thermal		1.54	SSOP-44K EP
LV8746V-TLM-E	Pb-free	Active	Step per	9	35	9	35	1	1.2	$\frac{1}{2}$ $\frac{1}{1}$?	Clo ck Par allel		Exter nal Resi stor		Over-Cur rent Thermal		1.54	SSOP-44K EP

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