



Product Overview

LV8860V: Motor Driver, Single-Phase, PWM, Full-Wave, Brushless

For complete documentation, see the data sheet

Product Description

LV8860V is a driver IC used for single-phase fan motor. High-efficiency and low-noise are realized by reducing reactive power using Silent PWM. The operating range of LV8860V is wide. LV8860V also corresponds to 24V. Therefore, it is optimal for office automation equipment and factory automation equipment.

Features	Benefits
<ul style="list-style-type: none"> Speed is controllable by PWM input. Hall bias output pin. Integrated Quick Start Circuit. FG (rotation detection) / RD (lock detection) output pin (open drain output) Integrated current limiter circuit (limit at $I_O=450\text{mA}$ with $R_f=0.5$ connection, limit value is determined based on R_f.) Integrated lock protector circuit and automatic recovery circuit. Integrated thermal shut-down (TSD) circuit. Single-phase full wave operation by Silent PWM drive. 	<ul style="list-style-type: none"> High-efficiency and low-noise, Easy speed control Hall bias Quick Start Easy speed control Current limit protection Lock protection Thermal protection

Applications	End Products
<ul style="list-style-type: none"> Industrial Computing & Peripherals 	<ul style="list-style-type: none"> Printers Vending Machine Desktop Computer Cooling FAN for OA equipment FA equipment

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	Control Type	Feed- back Method	Current Sense	Regulator Output	Fault Detection	Flyback Protection	$R_{DS(on)}$ Typ (Ω)	Package Type
LV8860V-MPB-H	Pb-free Halide free	Active	Brushless DC	6	34	6	34		0.7		PWM		External Resistor		Lock Over- Current Thermal UVLO		1.4	SSOP-16
LV8860V-TLM-H	Pb-free Halide free	Active	Brushless DC	6	34	6	34		0.7		PWM		External Resistor		Lock Over- Current Thermal UVLO		1.4	SSOP-16

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