

Product Overview

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

For complete documentation, see the data sheet.

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

- 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.

Applications

- Industrial
- Computing & Peripherals

Benefits

- High-efficiency and low-noise, Easy speed control
- Hall bias
- Quick Start
- Easy speed control
- Current limit protection
- Lock protection
- Thermal protection

End Products

- Printers
- Vending Machine
- Desktop Computer
- Cooling FAN for OA equipment
- FA equipment

Part Electrical Specifications

| Product | Compliance | Status | Phase | 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) | Control Type | Package Type |
|---------------|------------------------|--------|-------|---------------|---------------|------------------|------------------|---------------|--------------------|--------------|--------------|
| LV8860V-TLM-H | Pb-free Halide free | Active | 1 | 6 | 34 | 6 | 34 | | 0.7 | PWM | SSOP-16 |

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

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