

Product Overview

LV8068V: Single-Phase Full-Wave Fan Motor Driver

For complete documentation, see the data sheet.

The LV8068V is single-phase bipolar fan motor is driven, through BTL output linear driver, at high efficiency, low power, and low noise by suppressing the reactive power. The BTL output can put PWM control by an outside signal together, which is optimum for the CPU cooler, etc.

Features

- Single-phase full-wave operating by BTL output (BTL amplifier gain : +49dB)
- Speed control available by PWM input
- The characteristic of the motor rotational speed adjust by VCONT voltage
- The characteristic of the motor rotational minimum speed adjust by RMI voltage
- Hall bias output terminal (VHB = 1.32V (typ))
- Built-in Quick Start circuit
- Startup support function (50% Duty Start)
- FG (rotate detection) output terminal (Open drain output)
- RD (Lock detection) output terminal (Open drain output)
- Built-in Current Limiter circuit (limit at IO = 250mA with Rf = 1 connection, the limiter value determined with Rf.)

For more features, see the data sheet

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
LV8068V-TLM-H	Pb-free Halide free	Active	1	4	16	4	16		1.2	PWM	SSOP-16

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

Created on: 1/23/2019