

Product Overview

LV8163QA: Single-Phase Full-Wave Fan Motor Driver

For complete documentation, see the data sheet.

The LV8163QA is a driver IC for single phase fan motor which operates noiselessly by BTL linear output method. The LV8163QA has variable speed function that corresponds to external PWM single input. Therefore, this IC is suitable for CPU cooler for note PC and the like which requires low power consumption, noiseless operation and variable speed functions.

Features

- Single phase full wave drive by BTL output method.
- Speed control function by PWM input.
- Integrated lock protector and auto recovery circuit.
- Standby mode and quick start function.
- Hall bias output pin.
- Startup support function (100% DUTYSTART)
- FG signal pin, RD signal pin
- Integrated TSD (Thermal ShutDown) circuit

Applications

- CPU cooling unit

End Products

- Note PC

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
LV8163QA-BH	Pb-free Halide free	Active	1	2.2	6	2.2	6		0.7	PWM	UDFN-10

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

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