

Product Overview

LV8827LFQA: Three-Phase PWM Brushless Motor Driver

For complete documentation, see the data sheet.

The LV8827LFQA is a PWM-type driver IC designed for 3-phase brushless motors. The rotational speed can be controlled by inputting the PWM pulse from the outside, and changing Duty. The IC incorporates a latch-type constraint protection circuit.

Features

- IO max = 1.5A (built-in output Tr)
- Speed control and synchronous rectification using direct PWM input (supports 3.3V inputs)
- 1-Hall FG output
- Latch type constraint protection circuit (the latch is released by S/S and F/R.)
- Forward/reverse switching circuit, Hall bias pin
- Power save circuit (Power save in stop mode)
- Current limiter circuit, Low-voltage protection circuit, Overheat protection circuit
- Charge pump circuit, 5V regulator output.
- Start/stop circuit (short brake when motor is to be stopped)

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
LV8827LFQA-NH	Pb-free Halide free	Active	3	8	35	8	35		1.5	PWM	WQFN-24 / VQFN-24N

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

Created on: 1/23/2019