

Product Overview

LA6585FA: Single-Phase Full-Wave BTL Fan Motor Driver

For complete documentation, see the data sheet.

The LA6585FA is a single-phase bipolar fan motor driver that achieves quiet operation, power savings, silent operation and high efficiency that suppresses reactive current through BTL output linear drive. It provides lock protection and rotation signal circuits on chip, and is optimal for applications that require high reliability and low noise, such as notebook personal computers, power supplies in consumer electronic equipment, car audio, and CPU cooling systems.

Features

- BTL output single-phase full-wave linear drive (gain resistor : 1 to 360kΩ, 51dB)
- Supports low-voltage drive and features a wide usable voltage range (2.2 to 14.0V)
- Low saturation output (high side + low side saturation voltage : Vosat (total) = 1.2V (typical), IO = 250mA)
- Built-in lock protection and automatic return circuits
- Built-in FG output
- Built-in Hall sensor bias (VHB = 1.5V)
- Thermal protection circuit
- Small-sized, high thermal capacity package

Applications

- Consumer electronic equipment power supply
- Car audio system
- CPU cooling system

End Products

- White goods
- Car audio
- Notebook 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
LA6585FA-BH	Pb-free Halide free	Active	1	2.2	14	2.2	14		0.5	DC	Micro8™

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

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