

Product Overview

LA6597FMC: Single-Phase Full-Wave Fan Motor Driver

For complete documentation, see the data sheet.

The LA6597FMC drives the single-phase bipolar fan motor by means of the BTL output linear drive highly efficiently while suppressing the reactive current, in the power-saving and silent manner. With incorporated lock protection and lock signal circuits, this product is optimum for fans of car audio, projector, and VGA card where the high-temperature operation, high reliability, and low noise are required.

Features

- Single-phase full-wave linear drive by BTL output (gain resistance 1k to 240k, 48dB)
- Operable at low voltage and over a wide operation voltage range (2.2 to 14.0V)
- Diffusion of generated heat
: Low saturation output (Upper + lower saturation voltages: V_{Osat} (total) = 1.1V typ, I_O = 200mA)
- Lock protection and automatic return circuits incorporated
- FG output (Rotation detection output: Open collector output)
- Hall bias incorporated (VHB = 1.55V)
- Heat protection circuit
- Small package with high heat capacity

End Products

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
LA6597FMC-AH	Pb-free Halide free	Active	1	2.2	14	2.2	14		1	DC	SOIC-10 NB

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

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