



Product Overview

LB1976: 3-Phase Brushless Motor Driver

For complete documentation, see the data sheet

Product Description

A 3-phase brushless motor driver IC suited for use in direct PWM driving of DC fan motors for air conditioners, water heaters and other similar equipment. Since a shunt regulator circuit is built-in, single power supply operation sharing the same power supply for the motor is supported.

Features

- Withstand voltage 60 V, output current 2.5 A
- Direct PWM drive output
- 3 integrated output top-side diodes
- Integrated current limiter
- Integrated FG output circuit

Applications

- Fan motor driver

End Products

- Air conditioners
- Water heaters

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	Current Sense	Regulator Output	Fault Detection	R _{DS(on)} Typ (Ω)	Package Type
LB1976-E	Pb-free	Active	3	20	56	4.5	7	2.5		DC	External Resistor		Over-Current		PDIP-30

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

Created on: 1/20/2016