

Product Overview

LB11970FV: Single-Phase Full-Wave Fan Motor Driver

For complete documentation, see the data sheet.

The LB11970FV is a single-phase full-wave driver for fan motor.

Features

- Single-phase full-wave drive (16V to 1.2A output transistor incorporated)
- Variable speed function using thermistor input and external signal incorporated
- Current limiter circuit (limit at $I_O=480\text{mA}$ with $R_L=1\Omega$ connection, the limiter value determined with R_f)
- Kick-back absorption circuit incorporated
- Low-consumption, low-loss, and low-noise drive enabled by the soft switching circuit during phase shift
- Regeneration Di incorporated with less external parts
- HB incorporated
- Lock protection and automatic reset functions incorporated
- FG (rotation detection) output
- Thermal shutdown circuit incorporated

For more features, see the data sheet

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
LB11970FV-TLM-H	Pb-free	Active	1	3.5	16	4.5	16	1.2		DC	SSOP-18
	Halide free									PWM	
LB11970FV-W-AH	Pb-free	Active	1	3.5	16	4.5	16	1.2		DC	SSOP-18
	Halide free									PWM	

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

Created on: 5/19/2019