

## 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	

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