

Product Overview

LB11660RV: Half-pre Motor Driver, Single-Phase Full-Wave Drive, for Fan Motor

For complete documentation, see the data sheet.

The LB11660RV is a single-phase bipolar half pre-driver that can achieve high-efficient direct PWM drive with ease. It is ideal for driving small-sized cooling fans used in servers. The LB11660RV is provided with the RD (lock detection) output pin and the LB11660FV the FG (rotational speed detection) output pin, respectively.

Features

- Single-phase full-wave drive (15V-1.5A output transistor built in) upper output Tr incorporated half pre-driver.
- Variable speed control by an external signal.
- Lowest speed setting possible.
- Current limiter circuit (the circuit actuated at $I_O = 1A$ when $R_f = 0.5\Omega$, R_f determines the limiter value.)
- Kickback absorption circuit built in.
- Soft switching circuit achieves low power consumption, low loss, and low noise driving at a time of phase change.
- HB built in.
- Lock protection and automatic reset functions incorporated (including a circuit that changes the ON/OFF ratio according to the power supply voltage)
- RD (lock detection) output.
- Thermal protection circuit incorporated (design guaranteed).

For more features, see the data sheet

Applications

- Fan Motor Drive

End Products

- Small-sized cooling fans used in servers

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
LB11660RV-TLM-E	Pb-free	Active	1	3	15	4	15	1.5		DC	SSOP-16
LB11660RV-TLM-H	Pb-free Halide free	Active	1	3	15	4	15	1.5		DC	SSOP-16
LB11660RV-W-AH	Pb-free Halide free	Active	1	3	15	4	15	1.5		DC	SSOP-16

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