

产品概览

LV88554: Motor Driver, Single-Phase, PWM, Full-Wave, BLDC

欲看完整文档，请参阅数据表。

The LV88551JA/R is the pre-driver for a single-phase BLDC motor, which has the closed loop controller for motor rotation speed. This is available to control a motor with low vibration and the low noise. In addition, lead-angle adjustment is possible by external pins. Lead-angle value and lead-angle slant can be adjusted independently. Thus, the device can be driven by high efficiency and low noise with various motors. Motor speed setting curve is adjustable for many variety using external resistor only. As a method of the rotary speed control of the motor, direct-PWM pulse input.

特性

- Single-phase full wave drive pre-driver include closed loop speed control
- Speed control function by PWM duty input (25 Hz to 100 kHz)
- Soft start-up function and PWM soft switching phase transition
- Soft PWM duty cycle transitions
- Built-in current limit circuit and thermal protection circuit
- Built-in locked rotor protection and auto recovery circuit
- FG signal output
- Dynamic lead angle adjustment with respect to rotational speed
- Lead-angle control parameters can be configured.

优势

- high accuracy for motor speed control
- wide operation range
- low noise and silent drive
- low noise and silent drive
- safety
- safety
- easy to motor control
- high efficiency
- high efficiency

应用

- Motor Drive Unit

终端产品

- Refrigerator
- Games
- Computing Equipment

器件电气规格

产品	Pricing (\$/Unit)	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
LV88554JA-AH	0.9866	Pb-free	Active	1			3.9	20	0.05	0.15	PWM	SSOP-20J
		Halide free										
LV88554RTXG	1.008	Pb-free Halide free	Active	1			3.9	20	0.05	0.15	PWM	VCT-20

应用框图

欲了解更多信息，请联系您当地的销售支援 www.onsemi.cn。

创建于：4/4/2020