

产品概览

LV88551: 电机驱动器，单相，PWM，全波形，BLDC

欲看完整文档，请参阅数据表。

LV88551JA/R 是单相 BLDC 电机的预驱动器，具有用于电机转速的闭环控制器。它能在低波动和低噪声的情况下控制电机。另外，通过外部引脚可以进行前导角调节。前导角值和前导角斜线可单独调节。因此，该器件可实现高能效和低噪声的各种电机驱动。仅使用外部电阻即可针对多种配置调节电机速度设置曲线。作为电机的一种转速控制方式，可以选择直接 PWM 脉冲输入。

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.

应用

- Motor Drive Unit

优势

- high accuracy for motor speed control
- wide operation range
- low noise and silent drive
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- safety
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- easy to motor control
- high efficiency
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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
LV88551JA-AH	0.9866	Pb-free Halide free	Active	1			3.9	20	0.05	0.15	PWM	SSOP-20J
LV88551RTXG	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。

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