



Product Overview

LV8804FV: Motor Driver, Sensor Less, Brushless, 3-Phase

For complete documentation, see the data sheet

Product Description

LV8804FV is a 3-phase sensorless motor driver IC. 3-phase driver allows low power consumption and low vibration. And Hall sensorless drive allows reduction of the size of a motor system. This IC is suitable for use in products which require high reliability and long life such as note server fan and refrigerator fan.

Features	Benefits
<ul style="list-style-type: none"> Direct PWM three-phase sensorless motor driver Built-in current limit circuit (Operates when RF resistance is 0.25Ω and Io=1A) Built-in lock protection and auto-recovery circuit Built-in TSD (thermal shutdown) circuit PWM(Pulse width Modulation) control Soft-Booting Soft-Switching 1chip Driver NchDMOS output transistor FG (rotation count) output signal pin 	<ul style="list-style-type: none"> Easy Manufacturing Current protection Destruction protection Thermal protection High Efficiency Stability at booting Silent Easy Manufacturing

Applications	End Products
<ul style="list-style-type: none"> Consumer Computing & Peripherals 	<ul style="list-style-type: none"> Refrigerator Server Desktop Computer

Part Electrical Specifications

Product	Compliance	Status	Type	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)	Step Reso lution	Cont rol Type	Feed back Method	Curr ent Sense	Reg ulator Output	Fault Dete ction	Flyb ack Protection	R _{DS(on)} Typ (Ω)	Pack age Type
LV8804FV-MPB-H	Pb-free Halide free	Active	Thre e-Phas e Fan Moto r	6	15	6	15		1.2		DC		Exter nal Resi stor		Loc k Ov er- Cur rent Ther ma l		1.2	SSO P-20J
LV8804FV-TLM-H	Pb-free Halide free	Active	Thre e-Phas e Fan Moto r	6	15	6	15		1.2		DC		Exter nal Resi stor		Loc k Ov er- Cur rent Ther ma l		1.2	SSO P-20J
LV8804FV-TRM-H	Pb-free Halide free	Active	Thre e-Phas e Fan Moto r	6	15	6	15		1.2		DC		Exter nal Resi stor		Loc k Ov er- Cur rent Ther ma l		1.2	SSO P-20J

