

## Product Overview

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

For complete documentation, see the data sheet.

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

- Direct PWM three-phase sensorless motor driver
- Built-in current limit circuit (Operates when RF resistance is  $0.25\Omega$  and  $I_o=1A$ )
- 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

For more features, see the data sheet

#### Benefits

- Easy Manufacturing
- Current protection
- Destruction protection
- Thermal protection
- High Efficiency
- Stability at booting
- Silent
- Easy Manufacturing

#### Applications

- Consumer
- Computing & Peripherals

#### End Products

- Refrigerator
- Server
- Desktop Computer

### 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
LV8804FV-TLM-H	Pb-free	Active	3	6	15	6	15		1.2	DC	SSOP-20J
	Halide free										
LV8804FV-TRM-H	Pb-free	Active	3	6	15	6	15		1.2	DC	SSOP-20J
	Halide free										

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

Created on: 12/5/2018

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[ON Semiconductor:](#)

[LV8804FVGEVB](#)