



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

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

#### Part Electrical Specifications

Product	Compliance	Status	Type	V <sub>M</sub> Min (V)	V <sub>M</sub> Max (V)	V <sub>CC</sub> Min (V)	V <sub>CC</sub> Max (V)	I <sub>o</sub> Max (A)	I <sub>o</sub> Peak Max (A)	Step Resolution	Control Type	Feedback Method	Current Sense	Regulator Output	Fault Detection	Flyback Protection	Package Type
LV8804FV-MPB-H	Pb-free Halide free	Active	Brushless DC	6	16	6	16	1.2			DC		External Resistor	Yes	Lock Over-Current Thermal	Integrated Active	
LV8804FV-TRM-H	Pb-free Halide free	Active															SSOP-20J

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