

Product Overview

LB11685AV: Motor Driver, 3-Phase, Sensor Less

For complete documentation, see the data sheet.

The LB11685AV is a three-phase full-wave current-linear-drive motor driver IC. It adopts a sensor less control system without the use of a Hall Effect device. For quieter operation, the LB11685AV features a current soft switching circuit and be optimal for driving the cooling fan motors used in refrigerators, etc.

Features

- Three-phase full-wave linear drive (Hall sensor-less method)
- Built-in three-phase output voltage control circuit
- Built-in current limiter circuit
- Built-in motor lock protection circuit
- Motor lock protection detection output
- FG output made by back EMF
- Built-in thermal shut down circuit
- Beat lock prevention circuit
- Sensor-less
- Soft-Booting

For more features, see the data sheet

Benefits

- Hall sensor less
- Easy control
- Current limit protection
- Lock protection
- protection detection
- Easy control
- Thermal protection
- Beat lock prevention
- Easy Manufacturing
- Stability at booting

Applications

- Consumer

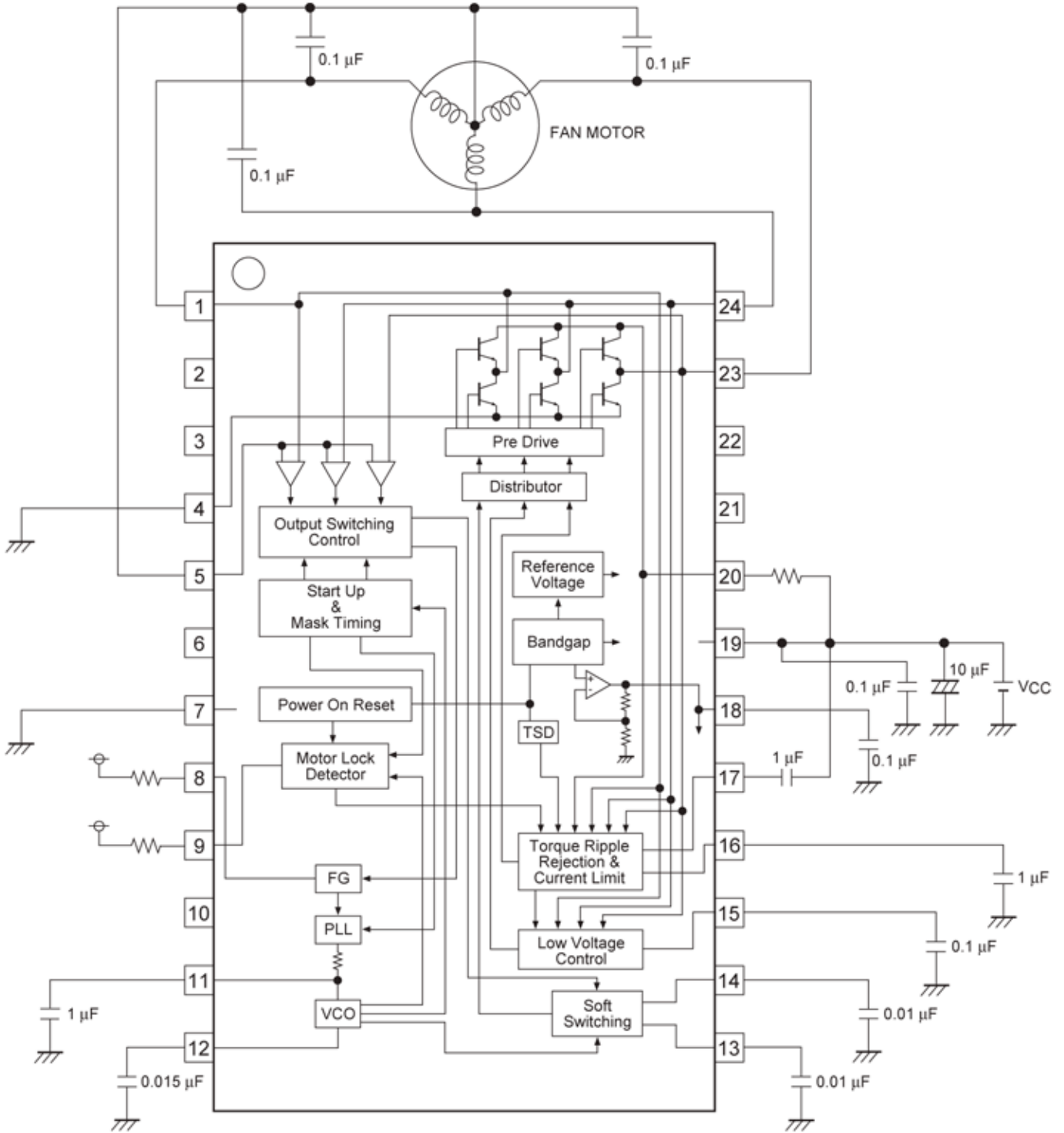
End Products

- Refrigerator

Part Electrical Specifications

Product	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
LB11685AV-TLM-H	0.9333	Pb-free	Active	3	4.5	18	4.5	18		1.2	DC	SSOP-24J
		Halide free										
LB11685AV-W-AH	0.9146	Pb-free	Active	3	4.5	18	4.5	18		1.2	DC	SSOP-24J
		Halide free										

Application Diagram



For more information please contact your local sales support at www.onsemi.com.

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