

Product Overview

LB1836M: Motor Driver, Low Saturation, Bidirectional, for Low Voltage Drive

For complete documentation, see the data sheet.

The LB1836M is a low-saturation two-channel bidirectional brush motor driver IC for use in low-voltage applications. The LB1836M is a bipolar stepper-motor driver IC that is ideal for use in printer, FDD's, cameras and other portable devices.

Features

- Low voltage and wide operation
- Brake function
- Spark killer diodes built in
- Thermal shutdown circuit built in
- Compact package(14-pin MFP)
- Low saturation voltage
- Parallel connection(Upper transistor + lower transistor residual voltage; 0.5Vtyp at 800mA)
- Separate logic power supply and motor power supply

Applications

- Stepper/Brush DC Motors
- Industrial

Benefits

- Battery drive
- Safety design
- Spark killer
- Thermal protection
- Small mounting space

End Products

- Cameras
- PoE Point of Sales Terminal
- Document Scanner
- PoE Security Camera

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	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 Resolution	Control Type	Current Sense	Fault Detection	Package Type
LB1836M-TLM-E	1.2266	Pb-free Halide free	Active	1.8	9	2.5	9	1		½	Parallel	None	Thermal	SOIC-14W / MFP-14S

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

Created on: 7/13/2020