

Product Overview

LB1909MC: Stepping Motor Driver, Low Saturation Voltage, 12 V

For complete documentation, see the data sheet.

The LB1909MC is a 2-channel low saturation voltage forward/reverse motor driver that can operate on a wide supply voltage range (2.5V to 16V). The IC is ideal for use in 2-phase excitation drive of general-purpose 2-phase bipolar stepper motors including dampers for refrigerators.

Features

- Wide supply voltage range : 2.5V to 16V
- Built-in shoot-through current protection circuit.
- No standby current consumption (or zero).
- Built-in thermal shutdown circuit.
- Small package : SOIC10
- Low saturation voltage : $V_{O(sat)} = 0.25V$ typ at $I_O = 200mA$.

Applications

- Consumer
- Industrial

Benefits

- Good safety margin for driving 12V motors
- Rugged operation
- Low Consumption, Saving energy
- Thermal Protection
- Industrial smallest package saves space on PCB. Flow mounting saves PCB cost.

End Products

- Refrigerator
- PoE Point of Sales Terminal
- PoE Security Camera
- Time Recorder
- Label Printer

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
LB1909MC-BH	0.56	Pb-free Halide free non AEC-Q and PPAP	Active	2.5	16	2.5	16	0.8		1	Parallel	None	Thermal	SOIC-10 NB

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

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