

Product Overview

LV8417CS: Forward/Reverse 1-Channel H-Bridge Motor Driver

For complete documentation, see the data sheet.

The LV8417CS is a 1-channel H bridge motor driver IC. The package size is extremely small with wafer level package (WLP). Moreover, the on-resistance is low (upper and lower total 0.27Ω typ.). The application voltage range is wide (2.0V to 10.5V). The H bridge of this IC is P-N composition and thereby reduces the external parts without need of charge pump. Therefore, LV8417CS realizes reduction of mounting area which enables lower cost and smaller application size.

Features

- Built-in low voltage reset and thermal shutdown circuit
- Output ON resistance (Upper and lower total 0.27Ω ; $T_s=25^\circ\text{C}$, $I_O=1.0\text{A}$)
- wafer level package (WLP)
- Application voltage range is wide (2.0V to 10.5V)
- Less External Component
- Current consumption 0 when standing by
- Built-in brake function
- H-bridge 1-channel forward/reverse motor driver
- BiCDMOS process
- IO max=1.0A ($t_{\leq 100\text{ms}} 2.0\text{A}$, $t_{\leq 10\text{ms}} 3.8\text{A}$)

For more features, see the data sheet

Benefits

- Thermal protection
- Low Consumption
- Small mounting space
- Wide power supply application
- Simple Design
- Low Consumption
- Safety Design

Applications

- Portable & Wireless

End Products

- Digital Still Camera
- Portable device
- TOY

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 Min (A)	I_O Peak Max (A)	Control Type	Current Sense	Package Type
LV8417CS-TE-L-H	0.8	Pb-free Halide free non AEC-Q and PPAP	Active	2	10.5	2.7	5.5	1	3.8	Parallel	None	WLCSP-9 / WLP-9

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

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