



Product Overview

LV8401V: Motor Driver, Forward / Reverse

For complete documentation, see the data sheet

Product Description

LV8401V is a single channel motor driver using D-MOS FET for output stage and operates in one of the four modes under program control: forward, reverse, brake, and standby. As the P/N-Channel structure is used in the H-bridge output stage, the LV8401V features minimal number of external component and low on-resistance (0.33 Ω typical). LV8401V is optimal for driving motors that need large current.

Features

- Low power consumption
- Low output stage ON resistance (0.33 Ω , typical)
- Integrated constant current output
- Integrated low voltage reset and thermal shutdown circuit

Applications

- Brush DC Motors

End Products

- Cameras

Part Electrical Specifications

Product	Compliance	Status	Type	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 Reso- lution	Control Type	Feed- back Method	Current Sense	Regu- lator Output	Fault Detection	Flyback Protection	R _{DS(on)} Typ (Ω)	Package Type
LV8401V-MPB-E	Pb-free	Active	Brush DC	4	15	2.7	6	1.2	3.8		Parallel		None	Yes	Thermal UV LO		0.33	SSOP-16
LV8401V-TLM-E	Pb-free	Active	Brush DC	4	15	2.7	6	1.2	3.8		Parallel		None	Yes	Thermal UV LO		0.33	SSOP-16

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

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