



Product Overview

LV8075LP: Motor Driver, Forward / Reverse, 1-Channel, Constant Voltage Control

For complete documentation, see the [data sheet](#)

Product Description

The LV8075LP is a low voltage, bidirectional DC motor driver with a typical input voltage of 2.5 to 5.5 V and output currents up to 500 mA. The unique output full-bridge incorporates source-side linear operation to allow a constant voltage across the motor coil. Internal protection circuitry includes thermal shutdown and under voltage lockout.

Features

- Low voltage control from 2.5 V
- Output ON Resistance : 1.75ohm(Upper and Lower Total)
- Low Voltage Operation 2.5Vmin
- VCT Package

Benefits

- Battery drive suitable
- High Efficiency
- Low Input Voltage Device Available
- Small Design Footprint

Applications

- Portable & Wireless

End Products

- Digital Still Camera
- Portable Device, Camera, Game, Small Printer

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 Resolution	Control Type	Feedback Method	Current Sense	Regulator Output	Fault Detection	Flyback Protection	R _{DS(on)} Typ (Ω)	Package Type
LV8075LP-E	Pb-free	Active	Brush DC	2.5	5.5	2.5	5.5	0.5			Parallel		None		Thermal UV LO		1.75	VCT-16
LV8075LP-TE-L-E	Pb-free	Active	Brush DC	2.5	5.5	2.5	5.5	0.5			Parallel		None		Thermal UV LO		1.75	VCT-16

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

Created on: 7/11/2015