

Product Overview

NCV8445: Self-Protected High Side Driver

For complete documentation, see the data sheet.

The NCV8445 is a fully protected High-Side driver that can be used to switch a wide variety of loads, such as bulbs, solenoids and other actuators. The device is internally protected from an overload condition by an active current limit and thermal shutdown. A diagnostic Status output pin provides digital fault indication of Overtemperature as well as ON & OFF State Open Load conditions.

Features

- Short Circuit Protection
- Thermal Shutdown with Automatic Restart
- Open Load Detection in ON and OFF State
- Diagnostic Output
- Undervoltage and Overvoltage Shutdown
- Very Low Standby Current
- ESD Protection

Applications

- Switch a Variety of Resistive, Inductive, and Capacitive Loads
- Switch loads such as Bulbs, Solenoids, and other Actuators.

End Products

- Automobile

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	$V_{(BR)DSS}$ Min (V)	I_D Typ (A)	$r_{DS(on)}$ Max (m Ω)	P_D Max (W)	Package Type
NCV8445DR2G	AEC Qualified PPAP Capable Pb-free Halide free	Active	High Side Switch	43	2	90	1.183	SOIC-8

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

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