



Product Overview

NCV8405: Self-Protected Low Side Driver with Temperature and Current Limit

For complete documentation, see the data sheet

Product Description

NCV8405 is a three terminal protected Low-Side Smart Discrete device. The protection features include overcurrent, overtemperature, ESD and integrated Drain-to-Gate clamping for overvoltage protection. This device is suitable for harsh automotive environments.

Features

- Short Circuit Protection
- Thermal Shutdown with Automatic Restart
- Integrated Clamp for Inductive Switching
- ESD Protection
- dV/dt Robustness
- Analog Drive Capability (Logic Level Input)
- AEC-Q101 Qualified
- NCV Prefix for Automotive and Other Applications Requiring Site and Change Control

Applications	End Products
--------------	--------------

- |  |   |
|--|---|
| <ul style="list-style-type: none"><li>• Switch a Variety of Resistive, Inductive and Capacitive Loads</li><li>• Can Replace Electromechanical Relays and Discrete Circuits</li><li>• Lamp Driver</li></ul> | <ul style="list-style-type: none"><li>• Automobiles</li></ul> |
|--|---|

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com)

Created on: 7/11/2015