



# Product Overview

## NCV8402: 42 V, 2.0 A N-Channel Power MOSFET

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

### Product Description

NCV8402 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 offers protection and 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
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| <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>• Automotive / Industrial</li></ul> | <ul style="list-style-type: none"><li>• Lamp Driver</li><li>• Relay Driver</li></ul> |
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