

**Current Limit SW 1-IN 1-OUT to 7A Automotive 4-Pin(3+Tab)  
SOT-223 T/R**



Images are for reference only

**Manufacturer:** [STMicroelectronics, Inc](#)

**Package/Case:** SOT223

**Product Type:** Switches

**Lifecycle:** Active

[Inquiry](#)

## General Description

The VNN3NV04P-E, VNS3NV04P-E, are monolithic devices designed in STMicroelectronics VIPowerM0-3 Technology, intended for replacement of standard Power MOSFETs from DC up to 50 kHz applications. Built in thermal shutdown, linear current limitation and overvoltage clamp protect the chip in harsh environments.

Fault feedback can be detected by monitoring the voltage at the input pin.

## Key Features

Linear current limitation

Thermal shutdown

Short circuit protection

Integrated clamp

Low current drawn from input pin

Diagnostic feedback through input pin

ESD protection

Direct access to the gate of the Power MOSFET (analog driving)

Compatible with standard Power MOSFET in compliance with the 2002/95/EC European directive

## Recommended For You

### VN5050JTR-E

STMicroelectronics, Inc

HSSOP12

### VNLD5160TR-E

STMicroelectronics, Inc

SOP8

### VND5T050AKTR-E

STMicroelectronics, Inc

SSOP24

**VNS3NV04PIR-E**

STMicroelectronics, Inc

SOP8

**VN7003ALHIR**

STMicroelectronics, Inc

Octapak-7

**VND7140AJ12TR**

STMicroelectronics, Inc

HSSOP12

**VN330SP-E**

STMicroelectronics, Inc

HSOP10

**VNL5050N3TR-E**

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SOT-223

**VNB35NV04TR-E**

STMicroelectronics, Inc

TO-263

**VN7007AHIR**

STMicroelectronics, Inc

TO252-7

**VNV35N07**

STMicroelectronics, Inc

HSOP10

**VND5050AJTR-E**

STMicroelectronics, Inc

HSSOP12

**VND5E160AJTR-E**

STMicroelectronics, Inc

HSSOP12

**VNN7NV04PIR-E**

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SOT223

**VN7004CLHIR**

STMicroelectronics, Inc

TO-252