

Current Limit SW 1-IN 1-OUT to 2A Automotive 8-Pin SO N T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [STMicroelectronics, Inc](#)

Package/Case: SOP-8

Product Type: Switches

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The VNL5300S5-E is a monolithic device made using STMicroelectronicsVIPowertechnology, intended for driving resistive or inductive loads with one side connected to the battery.

Built-in thermal shutdown protects the chip from overtemperature and short-circuit. Output current limitation protects the device in an overload condition. In case of long duration overload, the device limits the dissipated power to a safe level up to thermal shutdown intervention. Thermal shutdown, with automatic restart, allows the device to recover normal operation as soon as a fault condition disappears. Fast demagnetization of inductive loads is achieved at turn-off.

Key Features

Draincurrent:2A

ESDprotection

Overvoltageclamp

Thermalsshutdown

Currentandpowerlimitation

Verylowstandbycurrent

Verylowelectromagneticsusceptibility

CompliantwithEuropeandirective2002/95/EC

Opendrainstatusoutput

Recommended For You

VNS050JTR-E

STMicroelectronics, Inc
HSSOP12

VNLD5160TR-E

STMicroelectronics, Inc
SOP8

VND5T050AKTR-E

STMicroelectronics, Inc
SSOP24

VNS3NV04PTR-E

STMicroelectronics, Inc
SOP8

VN7003ALHIR

STMicroelectronics, Inc
Octapak-7

VND7140AJ12TR

STMicroelectronics, Inc
HSSOP12

VN330SP-E

STMicroelectronics, Inc
HSOP10

VNL5050N3TR-E

STMicroelectronics, Inc
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

VNN7NV04PTR-E

STMicroelectronics, Inc
SOT223

VN7004CLHIR

STMicroelectronics, Inc
TO-252