# VNLD5160TR-E

**Current Limit SW 2-IN 2-OUT to 3.5A Automotive 8-Pin SO N T/R**

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|---|---|
| **Manufacturer:** | STMicroelectronics, Inc |
| **Package/Case:** | SOP8 |
| **Product Type:** | Switches |
| **RoHS:** | RoHS Compliant/Lead free |
| **Lifecycle:** | Active |

VNLD5160TR-E Image

Images are for reference only

Inquiry

## General Description

The VNLD5160-E is a monolithic device made using STMicroelectronics VIPower technology, 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

AEC-Q100 qualified

Drain current: 3.5 A

ESD protection

Overvoltage clamp

Thermal shutdown

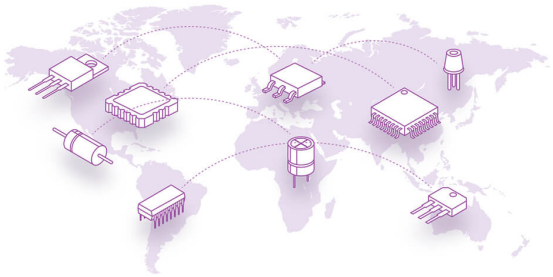
Current and power limitation

Very low standby current

Very low electromagnetic susceptibility

Compliant with European directive 2002/95/EC

Specially intended for R10W or 2xR5W automotive signal lamps



AVAQ

## Recommended For You

**VN5050JTR-E**

STMicroelectronics, Inc

HSSOP12

**VND5T050AKTR-E**

STMicroelectronics, Inc

SSOP24

**VNS3NV04PTR-E**

STMicroelectronics, Inc

SOP8

**VN7003ALHTR**

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

**VN7007AHTR**

STMicroelectronics, Inc

TO252-7

**VNV35N07**

STMicroelectronics, Inc

HSOP10

**VND5050AJTR-E**

STMicroelectronics, Inc

HSSOP12

**VND5E160AJTR-E**

STMicroelectronics, Inc

HSSOP12

**VNN7NV04PTR-E**

STMicroelectronics, Inc

SOT223

**VN7004CLHTR**

STMicroelectronics, Inc

TO-252

**VND10N06TR-E**

STMicroelectronics, Inc

TO252