

Current Limit SW 1-IN 1-OUT to 30A Automotive 5-Pin(4+Tab) P2PAK T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [STMicroelectronics, Inc](#)

Package/Case: P2PAK-4

Product Type: Switches

Lifecycle: Active

General Description

The VN920B5-E is a monolithic device designed in STMicroelectronics VIPower M0-3 technology. The VN920B5-E is intended for driving any type of load with one side connected to ground.

The active VCCpin voltage clamp protects the device against low energy spikes (see ISO7637 transient compatibility table). Active current limitation combined with thermal shutdown and automatic restart protect the device against overload. The device integrates an analog current sense output which delivers a current proportional to the load current. The device automatically turns off in the case where the ground pin becomes disconnected.

Key Features

ECOPACK:leadfreeandRoHScompliant

AutomotiveGrade:compliancewithAECGuidelines

Verylowstandbycurrent

CMOScompatibleinput

Proportionalloadcurrentsense

Currentsensedisable

Thermalshutdownprotectionanddiagnosis

Undervoltageshutdown

Overvoltageclamp

Loadcurrentlimitation

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

VNN7NV04PIR-E

STMicroelectronics, Inc
SOT223

VN7004CLHIR

STMicroelectronics, Inc
TO-252