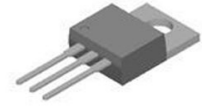


## Current Limit SW 1-IN 1-OUT to 18V 45A Automotive 3-Pin(3+Tab) TO-220AB Tube



Images are for reference only

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

**Package/Case:** TO-220-3

**Product Type:** Switches

**Lifecycle:** Active

[Inquiry](#)

### General Description

The VNP35N07-E, VNB35N07-E and VNV35NV07-E are monolithic devices made using STMicroelectronics VIPower®technology, intended for replacement of standard Power MOSFETs in DC 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

- Automotive qualified
- 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
- Standard TO-220 package
- Compliant with 2002/95/EC European directive

### Recommended For You

**VND5N07TR-E**

STMicroelectronics, Inc  
TO-252

**VNB20N07TR-E**

STMicroelectronics, Inc  
TO-263

**VNP20N07-E**

STMicroelectronics, Inc  
TO-220-3

**STGIF5CH60TS-L**

STMicroelectronics, Inc  
SDIP2B-26

**STGIPS10K60A**

STMicroelectronics, Inc  
SDIP-25L

**BDW93CFP**

STMicroelectronics, Inc  
TO-220F

**TIP102**

STMicroelectronics, Inc  
TO-220

**STP24NF10**

STMicroelectronics, Inc  
TO-220

**TIP132**

STMicroelectronics, Inc  
TO-220

**BDX54C**

STMicroelectronics, Inc  
TO-220

**STGW30NC120HD**

STMicroelectronics, Inc  
TO-247

**TIP120**

STMicroelectronics, Inc  
TO-220

**STGIPS20K60**

STMicroelectronics, Inc  
SDIP-25

**BUL38D**

STMicroelectronics, Inc  
TO-220

**BU931T**

STMicroelectronics, Inc  
TO-220