



# STGE50NC60WD

N-channel 50A - 600V - ISOTOP  
Ultra fast switching PowerMESH™ IGBT

## Features

Type	V <sub>CES</sub>	V <sub>CE(sat)</sub> (Max) @25°C	I <sub>C</sub> @100°C
STGE50NC60WD	600V	2.5V	50A

- High current capability
- High frequency operation
- Low C<sub>RES</sub>/C<sub>I<sub>ES</sub></sub> ratio (no cross-conduction susceptibility)
- Very soft ultra fast recovery antiparallel diode

## Description

Using the latest high voltage technology based on a patented strip layout, STMicroelectronics has designed an advanced family of IGBTs, the PowerMESH™ IGBTs, with outstanding performances. The suffix “W” identifies a family optimized for very high frequency applications.

## Applications

- Very high frequency inverters
- HF, SMPS and PFC in both hard switching and resonant topologies
- UPS
- Motor drivers
- Welding

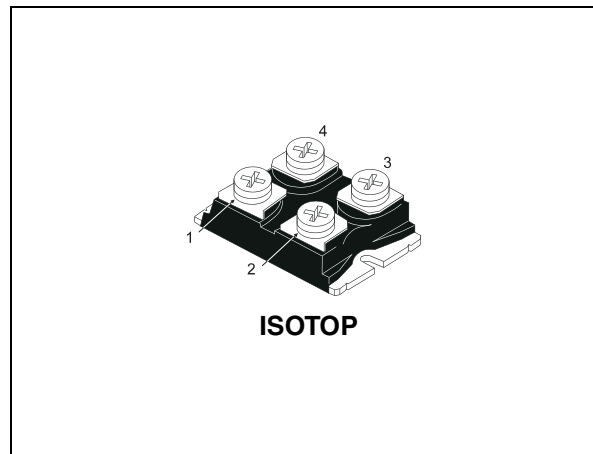


Figure 1. Internal schematic diagram

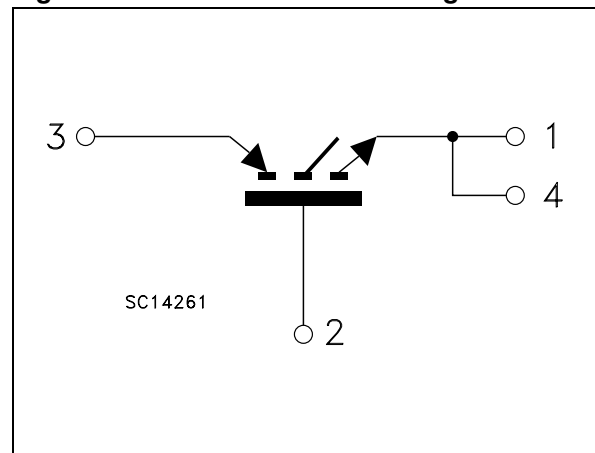


Table 1. Device summary

Order code	Marking	Package	Packaging
STGE50NC60WD	GE50NC60WD	ISOTOP	Tube

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