



# STB55NF06, STP55NF06, STP55NF06FP

N-channel 60 V, 0.015  $\Omega$ , 50 A STripFET™ II Power MOSFET in D<sup>2</sup>PAK, TO-220 and TO-220FP packages

Datasheet — production data

## Features

Order code	V <sub>DSS</sub>	R <sub>DS(on)</sub> max.	I <sub>D</sub>
STB55NF06	60 V	< 0.018 $\Omega$	50 A
STP55NF06			
STP55NF06FP			50 A <sup>(1)</sup>

1. Refer to soa for the max allowable current value on FP-type due to R<sub>th</sub> value

- 100% avalanche tested
- Exceptional dv/dt capability

## Applications

- Switching application

## Description

These Power MOSFETs have been developed using STMicroelectronics' unique STripFET process, which is specifically designed to minimize input capacitance and gate charge. This renders the devices suitable for use as primary switch in advanced high-efficiency isolated DC-DC converters for telecom and computer applications, and applications with low gate charge driving requirements.

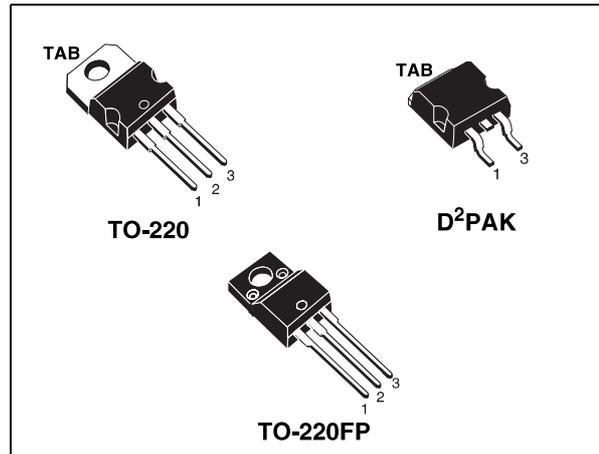
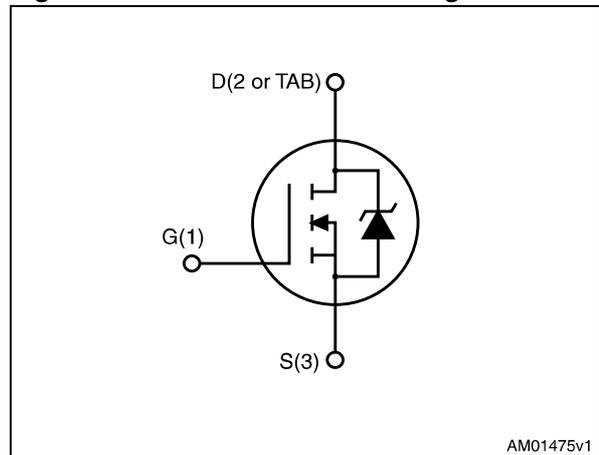


Figure 1. Internal schematic diagram



AM01475v1

Table 1. Device summary

Order code	Marking	Package	Packaging
STB55NF06	B55NF06	D <sup>2</sup> PAK	Tape and reel
STP55NF06	P55NF06	TO-220	Tube
STP55NF06FP	P55NF06FP	TO-220	