



# STB30NF10 STP30NF10 - STP30NF10FP

N-channel 100V - 0.038Ω - 35A - D<sup>2</sup>PAK/TO-220/TO-220FP  
Low gate charge STripFET™ II Power MOSFET

## General features

Type	V <sub>DSS</sub>	R <sub>DS(on)</sub>	I <sub>D</sub>
STB30NF10	100V	<0.045Ω	35A
STP30NF10	100V	<0.045Ω	35A
STP30NF10FP	100V	<0.045Ω	35A

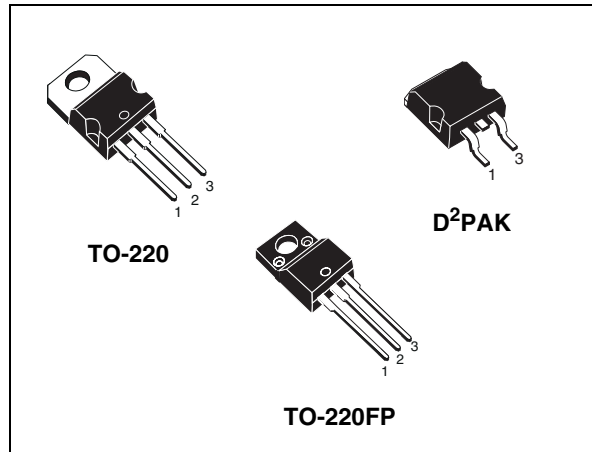
- Exceptional dv/dt capability
- 100% avalanche tested
- Application oriented characterization

## Description

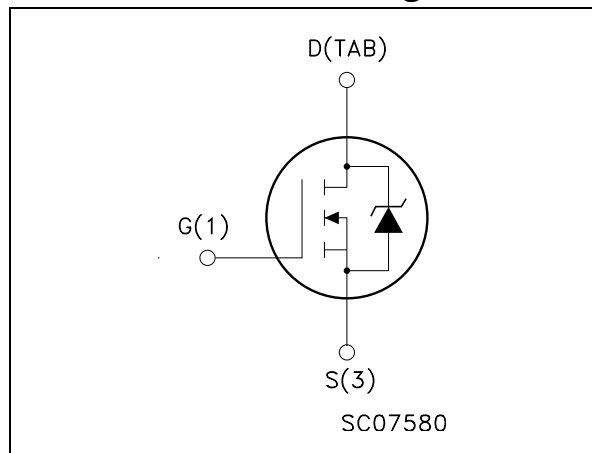
This Power MOSFET is the latest development of STMicroelectronics unique "Single Feature Size™" strip-based process. The resulting transistor shows extremely high packing density for low on-resistance, rugged avalanche characteristics and less critical alignment steps therefore a remarkable manufacturing reproducibility.

## Applications

- Switching application



## Internal schematic diagram



## Order codes

Sales type	Marking	Package	Packaging
STB30NF10T4	B30NF10	D <sup>2</sup> PAK	Tape & reel
STP30NF10	P30NF10	TO-220	Tube
STP30NF10FP	P30NF10FP	TO-220FP	Tube