



STP40N20 - STF40N20 STB40N20 - STW40N20

N-channel 200V - 0.038Ω -40A- D²PAK/TO-220/TO-220FP/TO-247
Low gate charge STripFET™ Power MOSFET

General features

Type	V _{DSS}	R _{DS(on)}	I _D	P _W
STB40N20	200V	<0.045Ω	40A	160W
STP40N20	200V	<0.045Ω	40A	160W
STP40N20FP	200V	<0.045Ω	40A	160W
STW40N20	200V	<0.045Ω	40A	40W

- Gate charge minimized
- Very low intrinsic capacitances
- Very good manufacturing repeatability
- Excellent figure of merit (R_{DS}*Q_g)
- 100% avalanche tested

Description

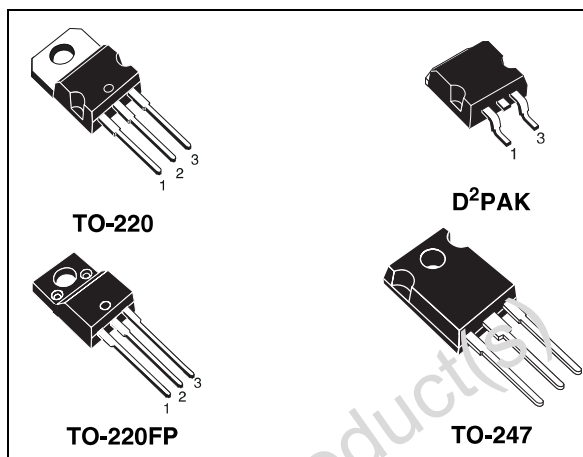
This MOSFET series realized with STMicroelectronics unique STripFET process has specifically been designed to minimize input capacitance and gate charge. It is therefore suitable as primary switch in advanced high-efficiency isolated DC-DC converters.

Applications

- Switching application

Order codes

Part number	Marking	Package	Packaging
STB40N20	B40N20	D ² PAK	Tape & reel
STP40N20	P40N20	TO-220	Tube
STP40N20FP	P40N20	TO-220FP	Tube
STW40N20	W40N20	TO-247	Tube



Internal schematic diagram

