

STW90NF20 Information


For Reference Only

Part Number [STW90NF20](#)
Manufacturer STMicroelectronics
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 200V 83A TO-247
Package TO-247-3
 For the pricing/inventory/lead time, please contact us
 Website: <https://www.heisener.com>
 E-mail: salesdept@heisener.com


[Request a Quote](#)
Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.


STW90NF20 Specifications

Manufacturer Part Number	STW90NF20
Manufacturer	STMicroelectronics
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	TO-247-3
Series	STripFET?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	200V
Current - Continuous Drain (Id) @ 25°C	83A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	10V
Vgs(th) (Max) @ Id	4V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	164nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	5736pF @ 25V
Vgs (Max)	±20V
FET Feature	-
Power Dissipation (Max)	300W (Tc)
Rds On (Max) @ Id, Vgs	23 mOhm @ 45A, 10V
Operating Temperature	-50°C ~ 150°C (TJ)
Mounting Type	Through Hole
Supplier Device Package	TO-247-3
Package / Case	TO-247-3

[Report errors?](#)

STW90NF20 Guarantees



Quality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

STW90NF20 Payment Methods



STW90NF20 Shipping Methods



If you have any question about STW90NF20, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: salesdept@heisener.com