

STP46NF30 Information


For Reference Only

Part Number [STP46NF30](#)
Manufacturer STMicroelectronics
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N CH 300V 42A TO-220
Package TO-220-3
 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.


STP46NF30 Specifications

Manufacturer Part Number	STP46NF30
Manufacturer	STMicroelectronics
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	TO-220-3
Series	STripFET? II
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (V _{dss})	300V
Current - Continuous Drain (I _d) @ 25°C	42A (T _c)
Drive Voltage (Max R _{ds} On, Min R _{ds} On)	10V
V _{gs} (th) (Max) @ I _d	4V @ 250μA
Gate Charge (Q _g) (Max) @ V _{gs}	90nC @ 10V
Input Capacitance (C _{iss}) (Max) @ V _{ds}	3200pF @ 25V
V _{gs} (Max)	±20V
FET Feature	-
Power Dissipation (Max)	300W (T _c)
R _{ds} On (Max) @ I _d , V _{gs}	75 mOhm @ 17A, 10V
Operating Temperature	175°C (T _J)
Mounting Type	Through Hole
Supplier Device Package	TO-220
Package / Case	TO-220-3

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STP46NF30 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.

STP46NF30 Payment Methods



STP46NF30 Shipping Methods



If you have any question about STP46NF30, please do not hesitate to contact us!

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