

STP21N90K5 Information


For Reference Only

Part Number [STP21N90K5](#)
Manufacturer STMicroelectronics
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 900V 18.5A 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


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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.


STP21N90K5 Specifications

Manufacturer Part Number	STP21N90K5
Manufacturer	STMicroelectronics
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	TO-220-3
Series	SuperMESH5?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (V _{ds})	900V
Current - Continuous Drain (I _d) @ 25°C	18.5A (T _c)
Drive Voltage (Max R _{ds} On, Min R _{ds} On)	10V
V _{gs} (th) (Max) @ I _d	5V @ 100μA
Gate Charge (Q _g) (Max) @ V _{gs}	43nC @ 10V
Input Capacitance (C _{iss}) (Max) @ V _{ds}	1645pF @ 100V
V _{gs} (Max)	±30V
FET Feature	Current Sensing
Power Dissipation (Max)	250W (T _c)
R _{ds} On (Max) @ I _d , V _{gs}	299 mOhm @ 9A, 10V
Operating Temperature	-55°C ~ 150°C (T _J)
Mounting Type	Through Hole
Supplier Device Package	TO-220-3
Package / Case	TO-220-3

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STP21N90K5 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.

STP21N90K5 Payment Methods



STP21N90K5 Shipping Methods



If you have any question about STP21N90K5, please do not hesitate to contact us!

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