

STP10NK50Z Information


For Reference Only

Part Number [STP10NK50Z](#)
Manufacturer STMicroelectronics
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 500V 9A 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.


STP10NK50Z Specifications

| | |
|--|---|
| Manufacturer Part Number | STP10NK50Z |
| Manufacturer | STMicroelectronics |
| Category | Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single |
| Package | TO-220-3 |
| Series | SuperMESH? |
| FET Type | N-Channel |
| Technology | MOSFET (Metal Oxide) |
| Drain to Source Voltage (Vdss) | 500V |
| Current - Continuous Drain (Id) @ 25°C | 9A (Tc) |
| Drive Voltage (Max Rds On, Min Rds On) | 10V |
| Vgs(th) (Max) @ Id | 4.5V @ 100µA |
| Gate Charge (Qg) (Max) @ Vgs | 39.2nC @ 10V |
| Input Capacitance (Ciss) (Max) @ Vds | 1219pF @ 25V |
| Vgs (Max) | ±30V |
| FET Feature | - |
| Power Dissipation (Max) | 125W (Tc) |
| Rds On (Max) @ Id, Vgs | 700 mOhm @ 4.5A, 10V |
| Operating Temperature | -55°C ~ 150°C (TJ) |
| Mounting Type | Through Hole |
| Supplier Device Package | TO-220AB |
| Package / Case | TO-220-3 |

[Report errors?](#)

STP10NK50Z 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.

STP10NK50Z Payment Methods



STP10NK50Z Shipping Methods



If you have any question about STP10NK50Z, please do not hesitate to contact us!

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