

STP5NK100Z Information


For Reference Only

Part Number [STP5NK100Z](#)
Manufacturer STMicroelectronics
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 1KV 3.5A 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


[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.


STP5NK100Z Specifications

Manufacturer Part Number	STP5NK100Z
Manufacturer	STMicroelectronics
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	TO-220-3
Series	SuperMESH3?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	1000V
Current - Continuous Drain (Id) @ 25°C	3.5A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	10V
Vgs(th) (Max) @ Id	4.5V @ 100µA
Gate Charge (Qg) (Max) @ Vgs	59nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	1154pF @ 25V
Vgs (Max)	±30V
FET Feature	-
Power Dissipation (Max)	125W (Tc)
Rds On (Max) @ Id, Vgs	3.7 Ohm @ 1.75A, 10V
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Through Hole
Supplier Device Package	TO-220AB
Package / Case	TO-220-3

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STP5NK100Z 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.

STP5NK100Z Payment Methods



STP5NK100Z Shipping Methods



If you have any question about STP5NK100Z, please do not hesitate to contact us!

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