

STD44N4LF6 Information


For Reference Only

Part Number [STD44N4LF6](#)
Manufacturer STMicroelectronics
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 40V 44A DPAK
Package TO-252-3, DPak (2 Leads + Tab), SC-63
 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.


STD44N4LF6 Specifications

| | |
|--|---|
| Manufacturer Part Number | STD44N4LF6 |
| Manufacturer | STMicroelectronics |
| Category | Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single |
| Package | TO-252-3, DPak (2 Leads + Tab), SC-63 |
| Series | DeepGATE?, STripFET? VI |
| FET Type | N-Channel |
| Technology | MOSFET (Metal Oxide) |
| Drain to Source Voltage (Vdss) | 40V |
| Current - Continuous Drain (Id) @ 25°C | 44A (Tc) |
| Drive Voltage (Max Rds On, Min Rds On) | 5V, 10V |
| Vgs(th) (Max) @ Id | 2.5V @ 250µA |
| Gate Charge (Qg) (Max) @ Vgs | 22nC @ 10V |
| Input Capacitance (Ciss) (Max) @ Vds | 1190pF @ 25V |
| Vgs (Max) | ±20V |
| FET Feature | - |
| Power Dissipation (Max) | 50W (Tc) |
| Rds On (Max) @ Id, Vgs | 12.5 mOhm @ 20A, 10V |
| Operating Temperature | -55°C ~ 175°C (TJ) |
| Mounting Type | Surface Mount |
| Supplier Device Package | DPAK |
| Package / Case | TO-252-3, DPak (2 Leads + Tab), SC-63 |

[Report errors?](#)

STD44N4LF6 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.

STD44N4LF6 Payment Methods



STD44N4LF6 Shipping Methods



If you have any question about STD44N4LF6, please do not hesitate to contact us!

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