

STI45N10F7 Information


For Reference Only

Part Number [STI45N10F7](#)
Manufacturer STMicroelectronics
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 100V 45A I2PAK
Package TO-262-3 Long Leads, I2Pak, TO-262AA
 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.


STI45N10F7 Specifications

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|--|---|
| Manufacturer Part Number | STI45N10F7 |
| Manufacturer | STMicroelectronics |
| Category | Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single |
| Package | TO-262-3 Long Leads, I2Pak, TO-262AA |
| Series | DeepGATE?, STRipFET? VII |
| FET Type | N-Channel |
| Technology | MOSFET (Metal Oxide) |
| Drain to Source Voltage (Vdss) | 100V |
| Current - Continuous Drain (Id) @ 25°C | 45A (Tc) |
| Drive Voltage (Max Rds On, Min Rds On) | 10V |
| Vgs(th) (Max) @ Id | 4.5V @ 250µA |
| Gate Charge (Qg) (Max) @ Vgs | 25nC @ 10V |
| Input Capacitance (Ciss) (Max) @ Vds | 1640pF @ 50V |
| Vgs (Max) | 20V |
| FET Feature | - |
| Power Dissipation (Max) | 60W (Tc) |
| Rds On (Max) @ Id, Vgs | 18 mOhm @ 22.5A, 10V |
| Operating Temperature | -55°C ~ 175°C (TJ) |
| Mounting Type | Through Hole |
| Supplier Device Package | I2PAK (TO-262) |
| Package / Case | TO-262-3 Long Leads, I2Pak, TO-262AA |

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STI45N10F7 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.

STI45N10F7 Payment Methods



STI45N10F7 Shipping Methods



If you have any question about STI45N10F7, please do not hesitate to contact us!

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