

STP70N10F4 Information


For Reference Only

Part Number [STP70N10F4](#)
Manufacturer STMicroelectronics
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 100V 65A 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.


STP70N10F4 Specifications

| | |
|--|---|
| Manufacturer Part Number | STP70N10F4 |
| Manufacturer | STMicroelectronics |
| Category | Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single |
| Package | TO-220-3 |
| Series | DeepGATE?, STripFET? |
| FET Type | N-Channel |
| Technology | MOSFET (Metal Oxide) |
| Drain to Source Voltage (Vds) | 100V |
| Current - Continuous Drain (Id) @ 25°C | 65A (Tc) |
| Drive Voltage (Max Rds On, Min Rds On) | 10V |
| Vgs(th) (Max) @ Id | 4V @ 250µA |
| Gate Charge (Qg) (Max) @ Vgs | 85nC @ 10V |
| Input Capacitance (Ciss) (Max) @ Vds | 5800pF @ 25V |
| Vgs (Max) | ±20V |
| FET Feature | - |
| Power Dissipation (Max) | 150W (Tc) |
| Rds On (Max) @ Id, Vgs | 19.5 mOhm @ 30A, 10V |
| Operating Temperature | -55°C ~ 175°C (TJ) |
| Mounting Type | Through Hole |
| Supplier Device Package | TO-220-3 |
| Package / Case | TO-220-3 |

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STP70N10F4 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.

STP70N10F4 Payment Methods



STP70N10F4 Shipping Methods



If you have any question about STP70N10F4, please do not hesitate to contact us!

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