

**STP80NF10FP Information**


For Reference Only

**Part Number** [STP80NF10FP](#)  
**Manufacturer** STMicroelectronics  
**Category** Discrete Semiconductor Products  
[Transistors - FETs, MOSFETs - Single](#)  
**Description** MOSFET N-CH 100V 38A TO-220FP  
**Package** TO-220-3 Full Pack  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto: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.


**STP80NF10FP Specifications**

|                                        |                                                                                         |
|----------------------------------------|-----------------------------------------------------------------------------------------|
| Manufacturer Part Number               | <a href="#">STP80NF10FP</a>                                                             |
| Manufacturer                           | STMicroelectronics                                                                      |
| Category                               | Discrete Semiconductor Products<br><a href="#">Transistors - FETs, MOSFETs - Single</a> |
| Package                                | TO-220-3 Full Pack                                                                      |
| Series                                 | STripFET? II                                                                            |
| FET Type                               | N-Channel                                                                               |
| Technology                             | MOSFET (Metal Oxide)                                                                    |
| Drain to Source Voltage (Vds)          | 100V                                                                                    |
| Current - Continuous Drain (Id) @ 25°C | 38A (Tc)                                                                                |
| Drive Voltage (Max Rds On, Min Rds On) | 10V                                                                                     |
| Vgs(th) (Max) @ Id                     | 4V @ 250µA                                                                              |
| Gate Charge (Qg) (Max) @ Vgs           | 189nC @ 10V                                                                             |
| Input Capacitance (Ciss) (Max) @ Vds   | 4300pF @ 25V                                                                            |
| Vgs (Max)                              | ±20V                                                                                    |
| FET Feature                            | -                                                                                       |
| Power Dissipation (Max)                | 45W (Tc)                                                                                |
| Rds On (Max) @ Id, Vgs                 | 15 mOhm @ 40A, 10V                                                                      |
| Operating Temperature                  | -55°C ~ 175°C (TJ)                                                                      |
| Mounting Type                          | Through Hole                                                                            |
| Supplier Device Package                | TO-220FP                                                                                |
| Package / Case                         | TO-220-3 Full Pack                                                                      |

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## STP80NF10FP 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.

## STP80NF10FP Payment Methods



## STP80NF10FP Shipping Methods



If you have any question about STP80NF10FP, please do not hesitate to contact us!

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E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)