

**STGF3NC120HD Information**


For Reference Only

**Part Number** [STGF3NC120HD](#)  
**Manufacturer** STMicroelectronics  
**Category** Discrete Semiconductor Products  
[Transistors - IGBTs - Single](#)  
**Description** IGBT 1200V 6A 25W TO220FP  
**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.


**STGF3NC120HD Specifications**

Manufacturer Part Number	<a href="#">STGF3NC120HD</a>
Manufacturer	STMicroelectronics
Category	Discrete Semiconductor Products <a href="#">Transistors - IGBTs - Single</a>
Package	TO-220-3 Full Pack
Series	PowerMESH?
IGBT Type	-
Voltage - Collector Emitter Breakdown (Max)	1200V
Current - Collector (Ic) (Max)	6A
Current - Collector Pulsed (Icm)	20A
Vce(on) (Max) @ Vge, Ic	2.8V @ 15V, 3A
Power - Max	25W
Switching Energy	236µJ (on), 290µJ (off)
Input Type	Standard
Gate Charge	24nC
Td (on/off) @ 25°C	15ns/118ns
Test Condition	800V, 3A, 10 Ohm, 15V
Reverse Recovery Time (trr)	51ns
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Through Hole
Package / Case	TO-220-3 Full Pack
Supplier Device Package	TO-220FP

[Report errors?](#)

## STGF3NC120HD 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.

## STGF3NC120HD Payment Methods



## STGF3NC120HD Shipping Methods



If you have any question about STGF3NC120HD, please do not hesitate to contact us!

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