

**STH52N10LF3-2AG Information**


For Reference Only

**Part Number** [STH52N10LF3-2AG](#)  
**Manufacturer** STMicroelectronics  
**Category** Discrete Semiconductor Products  
[Transistors - FETs, MOSFETs - Single](#)  
**Description** MOSFET N-CH 100V 52A H2PAK-2  
**Package** TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  
 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.


**STH52N10LF3-2AG Specifications**

Manufacturer Part Number	<a href="#">STH52N10LF3-2AG</a>
Manufacturer	STMicroelectronics
Category	Discrete Semiconductor Products <a href="#">Transistors - FETs, MOSFETs - Single</a>
Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Series	STripFET? F3
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	100V
Current - Continuous Drain (Id) @ 25°C	52A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	5V, 10V
Vgs(th) (Max) @ Id	2.5V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	18.5nC @ 5V
Input Capacitance (Ciss) (Max) @ Vds	1900pF @ 400V
Vgs (Max)	±20V
FET Feature	-
Power Dissipation (Max)	110W (Tc)
Rds On (Max) @ Id, Vgs	20 mOhm @ 26A, 10V
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	H2Pak-2
Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB

[Report errors?](#)

## STH52N10LF3-2AG 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.

## STH52N10LF3-2AG Payment Methods



## STH52N10LF3-2AG Shipping Methods



If you have any question about STH52N10LF3-2AG, please do not hesitate to contact us!

Website: <https://www.heisener.com>

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