



### STD18NF25 Information



For Reference Only

Part Number STD18NF25

Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 250V 17A DPAK

Package TO-252-3, DPak (2 Leads + Tab), SC-63

For the pricing/inventory/lead time, please contact  $% \left( \frac{1}{2}\right) =\left( \frac{1}{2}\right) \left( \frac{1}{2}\right)$ 

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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### **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.









# **STD18NF25 Specifications**

Manufacturer Part Number	STD18NF25
Manufacturer	STMicroelectronics
Category	Discrete Semiconductor Products
	Transistors - FETs, MOSFETs - Single
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Series	STripFET? II
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	250V
Current - Continuous Drain (Id) @ 25°C	17A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	10V
Vgs(th) (Max) @ Id	4V @ 250μA
Gate Charge (Qg) (Max) @ Vgs	29.5nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	1000pF @ 25V
Vgs (Max)	±20V
FET Feature	-
Power Dissipation (Max)	110W (Tc)
Rds On (Max) @ Id, Vgs	165 mOhm @ 8.5A, 10V
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	DPAK
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
	Report errors?

#### STD18NF25 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.

# STD18NF25 Payment Methods





















## STD18NF25 Shipping Methods













If you have any question about STD18NF25, please do not hesitate to contact us!

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