



#### STH175N4F6-6AG Information



For Reference Only

Part Number STH175N4F6-6AG Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 40V 120A H2PAK-6 **Package** TO-263-3, D2Pak (2 Leads + Tab) Variant

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.









# STH175N4F6-6AG Specifications

Manufacturer Part Number	STH175N4F6-6AG
Manufacturer	STMicroelectronics
Category	Discrete Semiconductor Products
	Transistors - FETs, MOSFETs - Single
Package	TO-263-3, D2Pak (2 Leads + Tab) Variant
Series	Automotive, AEC-Q101, STripFET? F6
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	40V
Current - Continuous Drain (Id) @ 25°C	120A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	10V
Vgs(th) (Max) @ Id	4.5V @ 250μA
Gate Charge (Qg) (Max) @ Vgs	130nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	7735pF @ 20V
Vgs (Max)	±20V
FET Feature	-
Power Dissipation (Max)	150W (Tc)
Rds On (Max) @ Id, Vgs	2.4 mOhm @ 60A, 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) Variant
	Report errors?

### STH175N4F6-6AG 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.

# STH175N4F6-6AG Payment Methods



















### STH175N4F6-6AG Shipping Methods













If you have any question about STH175N4F6-6AG, please do not hesitate to contact us!

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