

STD170N4F7AG Information


For Reference Only

Part Number [STD170N4F7AG](#)
Manufacturer STMicroelectronics
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description AUTOMOTIVE-GRADE N-CHANNEL 40 V
Package TO-252-3, DPak (2 Leads + Tab), SC-63
 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.


STD170N4F7AG Specifications

Manufacturer Part Number	STD170N4F7AG
Manufacturer	STMicroelectronics
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Series	STripFET?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vds)	40V
Current - Continuous Drain (Id) @ 25°C	80A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	10V
Vgs(th) (Max) @ Id	4V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	63nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	4350pF @ 25V
Vgs (Max)	±20V
FET Feature	-
Power Dissipation (Max)	172W (Tc)
Rds On (Max) @ Id, Vgs	2.8 mOhm @ 40A, 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?](#)

STD170N4F7AG 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.

STD170N4F7AG Payment Methods



STD170N4F7AG Shipping Methods



If you have any question about STD170N4F7AG, please do not hesitate to contact us!

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