



STP100N10F7 Information



For Reference Only

Part Number STP100N10F7 Manufacturer STMicroelectronics

Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single

MOSFET N CH 100V 80A TO-220

Description

Package TO-220-3

For the pricing/inventory/lead time, please contact

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.









STP100N10F7 Specifications

Manufacturer Part Number	STP100N10F7
Manufacturer	STMicroelectronics
Category	Discrete Semiconductor Products
	Transistors - FETs, MOSFETs - Single
Package	TO-220-3
Series	DeepGATE?, STripFET? VII
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	100V
Current - Continuous Drain (Id) @ 25°C	80A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	10V
Vgs(th) (Max) @ Id	4.5V @ 250μA
Gate Charge (Qg) (Max) @ Vgs	61nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	4369pF @ 50V
Vgs (Max)	±20V
FET Feature	-
Power Dissipation (Max)	150W (Tc)
Rds On (Max) @ Id, Vgs	8 mOhm @ 40A, 10V
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Through Hole
Supplier Device Package	TO-220
Package / Case	TO-220-3
	Report errors?

STP100N10F7 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.

STP100N10F7 Payment Methods



















STP100N10F7 Shipping Methods













If you have any question about STP100N10F7, please do not hesitate to contact us!

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