










 life.augmented	Manufacturer Part Number: STH145N8F7-2AG
	Manufacturer/Brand: STMicroelectronics
	Part of Description: MOSFET N-CH 80V 90A
	Datasheets:  STH145N8F7-2AG.pdf
RoHs Status:  Lead free / RoHS	Stock Condition: Compliant New original, Stock Available.
Ship From: Hong Kong	Shipment Way: DHL/Fedex/TNT/UPS/EMS
Image may be representation. See specs for product details.	

Specifications

Part Number	STH145N8F7-2AG
Manufacturer	STMicroelectronics
Description	MOSFET N-CH 80V 90A
Category	Discrete Semiconductor Products > Transistors - FETs,
Part Status	Require For Quote & Check Stock
Vgs(th) (Max) @ Id	4.5V @ 250µA
Vgs (Max)	±20V
Technology	MOSFET (Metal Oxide)
Supplier Device Package	H2Pak-2
Series	Automotive, AEC-Q101, STripFET™ F7
Rds On (Max) @ Id, Vgs	4 mOhm @ 45A, 10V
Power Dissipation (Max)	200W (Tc)
Packaging	Original-Reel®
Package / Case	TO-263-3, D²Pak (2 Leads + Tab) Variant
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Surface Mount
Input Capacitance (Ciss) (Max) @ Vds	6340pF @ 40V
Gate Charge (Qg) (Max) @ Vgs	96nC @ 10V
FET Type	N-Channel
FET Feature	-
Drive Voltage (Max Rds On, Min Rds On)	10V
Drain to Source Voltage (Vdss)	80V
Current - Continuous Drain (Id) @ 25°C	90A (Tc)

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