


 life.augmented	Manufacturer Part Number: STH175N4F6-6AG
	Manufacturer/Brand: STMicroelectronics
	Part of Description: MOSFET N-CH 40V 120A H2PAK-6
	Datasheets:  STH175N4F6-6AG.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	STH175N4F6-6AG
Manufacturer	STMicroelectronics
Description	MOSFET N-CH 40V 120A H2PAK-6
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™ F6
Rds On (Max) @ Id, Vgs	2.4 mOhm @ 60A, 10V
Power Dissipation (Max)	150W (Tc)
Packaging	Tape & Reel (TR)
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab) Variant
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Surface Mount
Input Capacitance (Ciss) (Max) @ Vds	7735pF @ 20V
Gate Charge (Qg) (Max) @ Vgs	130nC @ 10V
FET Type	N-Channel
FET Feature	-
Drive Voltage (Max Rds On, Min Rds On)	10V
Drain to Source Voltage (Vdss)	40V
Current - Continuous Drain (Id) @ 25°C	120A (Tc)

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Contact us:Info@Y-IC.com

ADD:Unit A5-B5 No.509, 5/F Sing Win Factory Building, 15-17 Shing yip St, Kwun Tong, Kowloon, HongKong.

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