









	<p>Manufacturer Part Number: STH185N10F3-6</p>
	<p>Manufacturer/Brand: STMicroelectronics</p>
	<p>Part of Description: MOSFET N-CH 100V 180A H2PAK-6</p>
	<p>Datasheets:  STH185N10F3-6.pdf</p>
	<p>RoHs Status:  Lead free / RoHS</p>
	<p>Stock Condition: Compliant New original, Stock Available.</p>
	<p>Ship From: Hong Kong</p>
<p>Image may be representation. See specs for product details.</p>	<p>Shipment Way: DHL/Fedex/TNT/UPS/EMS</p>

Specifications

Part Number	STH185N10F3-6
Manufacturer	STMicroelectronics
Description	MOSFET N-CH 100V 180A H2PAK-6
Category	Discrete Semiconductor Products > Transistors - FETs,
Part Status	Require For Quote & Check Stock
Vgs(th) (Max) @ Id	4V @ 250µA
Vgs (Max)	±20V
Technology	MOSFET (Metal Oxide)
Supplier Device Package	H2PAK-6
Series	Automotive, AEC-Q101, STripFET™ F3
Rds On (Max) @ Id, Vgs	4.5 mOhm @ 60A, 10V
Power Dissipation (Max)	315W (Tc)
Packaging	Tape & Reel (TR)
Package / Case	TO-263-7, D²Pak (6 Leads + Tab)
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Surface Mount
Input Capacitance (Ciss) (Max) @ Vds	6665pF @ 25V
Gate Charge (Qg) (Max) @ Vgs	114.6nC @ 10V
FET Type	N-Channel
FET Feature	-
Drive Voltage (Max Rds On, Min Rds On)	10V
Drain to Source Voltage (Vdss)	100V
Current - Continuous Drain (Id) @ 25°C	180A (Tc)

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