

STH270N8F7-2



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Part Number: [STH270N8F7-2](#)

Manufacturer: [STMicroelectronics](#)

Description: MOSFET N-CH 80V 180A H2PAK-2

Data sheet: [PDF STH270N8F7-2/6, STP270N8F7](#)

RoHS Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER

Part Number	STH270N8F7-2
Manufacturer	STMicroelectronics
Description	MOSFET N-CH 80V 180A H2PAK-2
Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	18954 pcs
Product Photo	STH270N8F7-2.jpg
Category	Discrete Semiconductor Products
Vgs(th) (Max) @ Id	4V @ 250µA
Vgs (Max)	±20V
Technology	MOSFET (Metal Oxide)
Supplier Device Package	H ² PAK
Series	DeepGATE™, STripFET™ VII
Rds On (Max) @ Id, Vgs	2.1 mOhm @ 90A, 10V
Power Dissipation (Max)	315W (Tc)
Packaging	Cut Tape (CT)
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab) Variant
Other Names	497-13873-1
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Surface Mount
Moisture Sensitivity Level (MSL)	1 (Unlimited)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Input Capacitance (Ciss) (Max) @ Vds	13600pF @ 50V
Gate Charge (Qg) (Max) @ Vgs	193nC @ 10V
FET Type	N-Channel
FET Feature	-
Drive Voltage (Max Rds On, Min Rds On)	10V
Drain to Source Voltage (Vdss)	80V
Detailed Description	N-Channel 80V 180A (Tc) 315W (Tc) Surface Mount H ² PAK
Current - Continuous Drain (Id) @ 25°C	180A (Tc)

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