










 life.augmented	Manufacturer Part Number: STH12N120K5-2
	Manufacturer/Brand: STMicroelectronics
	Part of Description: MOSFET N-CH 1200V 12A H2PAK-2
	Datasheets:  STH12N120K5-2.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	STH12N120K5-2
Manufacturer	STMicroelectronics
Description	MOSFET N-CH 1200V 12A H2PAK-2
Category	Discrete Semiconductor Products > Transistors - FETs,
Part Status	Require For Quote & Check Stock
Vgs(th) (Max) @ Id	5V @ 100µA
Vgs (Max)	±30V
Technology	MOSFET (Metal Oxide)
Supplier Device Package	H2Pak-2
Series	MDmesh™ K5
Rds On (Max) @ Id, Vgs	690 mOhm @ 6A, 10V
Power Dissipation (Max)	250W (Tc)
Packaging	Tape & Reel (TR)
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab) Variant
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Input Capacitance (Ciss) (Max) @ Vds	1370pF @ 100V
Gate Charge (Qg) (Max) @ Vgs	44.2nC @ 10V
FET Type	N-Channel
FET Feature	-
Drive Voltage (Max Rds On, Min Rds On)	10V
Drain to Source Voltage (Vdss)	1200V (1.2kV)
Current - Continuous Drain (Id) @ 25°C	12A (Tc)

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