










 life.augmented	Manufacturer Part Number: STB100N10F7
	Manufacturer/Brand: STMicroelectronics
 Image may be representation. See specs for product details.	Part of Description: MOSFET N-CH 100V 80A D2PAK
	Datasheets:  STB100N10F7.pdf
	RoHs Status:  Lead free / RoHS Compliant
	Stock Condition: New original, 8730 pcs Stock Available.
	Ship From: Hong Kong
	Shipment Way: DHL/Fedex/TNT/UPS/EMS

Specifications

Part Number	STB100N10F7
Manufacturer	STMicroelectronics
Description	MOSFET N-CH 100V 80A D2PAK
Category	Discrete Semiconductor Products > Transistors - FETs,
Part Status	8730 pcs Stock
Series	DeepGATE™, STripFET™ VII
Technology	MOSFET (Metal Oxide)
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Surface Mount
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Supplier Device Package	D2PAK
Power Dissipation (Max)	150W (Tc)
FET Type	N-Channel
FET Feature	-
Drain to Source Voltage (Vdss)	100V
Current - Continuous Drain (Id) @ 25°C	80A (Tc)
Rds On (Max) @ Id, Vgs	8 mOhm @ 40A, 10V
Vgs(th) (Max) @ Id	4.5V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	61nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	4369pF @ 50V
Drive Voltage (Max Rds On, Min Rds On)	10V
Vgs (Max)	±20V
Packaging	Original-Reel®

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