



Image may be representation.
See specifications for product details.



STB100NF03L-03T4

Manufacturer Part Number	STB100NF03L-03T4
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STB100NF03L-03T4
ECAD Model	PCB Footprint and Symbol
Parts Description	MOSFET N-CH 30V 100A D2PAK
Package	TO-263-3, D²Pak (2 Leads + Tab), TO-263AB
Data sheet	STB100NF03L-03T4.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STB100NF03L-03T4 - STMicroelectronics.New Original in Stock. Download Linear Technology STB100NF03L-03T4 datasheet/specifications on AllelcoElec.com.
Request a quote for STB100NF03L-03T4, please send us email: info@allelco.com

Specifications

STB100NF03L-03T4 Tech Specifications
STB100NF03L-03T4 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-55°C ~ 175°C (TJ)
Vgs(th) (Max) @ Id	2.5V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±16V	Input Capacitance (Ciss) (Max) @ Vds	6200 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	88 nC @ 5 V
Supplier Device Package	D2PAK	FET Type	N-Channel
Series	STripFET™ III	FET Feature	-
Rds On (Max) @ Id, Vgs	3.2mOhm @ 50A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	300W (Tc)	Drain to Source Voltage (Vdss)	30 V
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	100A (Tc)
Package	Tape & Reel (TR)	Base Product Number	STB100N

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STB100NF03L-03T4

Product Attribute				
Part Number	STB100NF03L-03T4	STB100N10F7	STB100NF04T4	STB100N6F7
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Power Dissipation (Max)	300W (Tc)	150W (Tc)	300W (Tc)	125W (Tc)
Gate Charge (Qg) (Max) @ Vgs	88 nC @ 5 V	61 nC @ 10 V	150 nC @ 10 V	30 nC @ 10 V
Series	STripFET™ III	DeepGATE™, STripFET™ VII	Automotive, AEC-Q101, STripFET™ II	STripFET™ F7
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Rds On (Max) @ Id, Vgs	3.2mOhm @ 50A, 10V	8mOhm @ 40A, 10V	4.6mOhm @ 50A, 10V	5.6mOhm @ 50A, 10V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Vgs (Max)	±16V	±20V	±20V	±20V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Current - Continuous Drain (Id) @ 25°C	100A (Tc)	80A (Tc)	120A (Tc)	100A (Tc)
FET Feature	-	-	-	-
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	10V	10V	10V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Drain to Source Voltage (Vdss)	30 V	100 V	40 V	60 V
Vgs(th) (Max) @ Id	2.5V @ 250µA	4.5V @ 250µA	4V @ 250µA	4V @ 250µA
Supplier Device Package	D2PAK	D ² PAK (TO-263)	D2PAK	D ² PAK (TO-263)
Base Product Number	STB100N	STB100	STB100	STB100
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Input Capacitance (Ciss) (Max) @ Vds	6200 pF @ 25 V	4369 pF @ 50 V	5100 pF @ 25 V	1980 pF @ 25 V

STB100NF03L-03T4 Datasheet PDF

Download STB100NF03L-03T4 pdf datasheets and STMicroelectronics documentation for STB100NF03L-03T4 - STMicroelectronics.

PCN Design/Specification



















[D2PAK Lead Modification 04/Oct/2013.pdf](#)

PCN Obsolescence/ EOL

[Multiple Devices 01/Aug/2014.pdf](#)

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Recommended Products

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STB100NF04T4 STMicroelectronics MOSFET N-CH 40V 120A D2PAK	STB100NF04L-1 STMicroelectronics	STB100N6F7 STMicroelectronics MOSFET N-CH 60V 100A D2PAK	STB100NF03L STMicroelectronics	STB100NH02LT4 MOS STMicroelectronics	STB100NF03L-03-1 STMicroelectronics MOSFET N-CH 30V 100A I2PAK
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STB1080PI AUK	STB10N65K3 STMicroelectronics MOSFET N-CH 650V 10A D2PAK	STB100NH02LT4 STMicroelectronics MOSFET N-CH 24V 60A D2PAK	STB10LN80K5 STMicroelectronics MOSFET N-CHANNEL 800V 8A D2PAK	STB-15CAS/K	STB10N60M2 STMicroelectronics MOSFET N-CH 600V 7.5A D2PAK

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
- > Use our account for the shipment. Refer to the table below for the approximate charges.
(Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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