



Image may be representation.
See specifications for product details.



STB60NH02LT4

Manufacturer Part Number	STB60NH02LT4
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STB60NH02LT4
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 24V 60A D2PAK
Package	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Data sheet	STB60NH02L.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STB60NH02LT4 - STMicroelectronics.New Original in Stock. Download Linear Technology STB60NH02LT4 datasheet/specifications on AllelcoElec.com.
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Specifications

STB60NH02LT4 Tech Specifications
STB60NH02LT4 - 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)	±20V	Input Capacitance (Ciss) (Max) @ Vds	1400 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	32 nC @ 10 V
Supplier Device Package	D2PAK	FET Type	N-Channel
Series	STripFET™ III	FET Feature	-
Rds On (Max) @ Id, Vgs	10.5mOhm @ 30A, 10V	Drive Voltage (Max Rds On, Min Rds On)	5V, 10V
Power Dissipation (Max)	70W (Tc)	Drain to Source Voltage (Vdss)	24 V
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	60A (Tc)
Package	Tape & Reel (TR)	Base Product Number	STB60N

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STB60NH02LT4

Product Attribute				
Part Number	STB60NH02LT4	STB60NF10-1	STB6N60M2	STB60NF10T4
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Vgs(th) (Max) @ Id	2.5V @ 250µA	4V @ 250µA	4V @ 250µA	4V @ 250µA
Package	Tape & Reel (TR)	Tube	Tape & Reel (TR)	Tape & Reel (TR)
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-262-3 Long Leads, I ² PAK, TO-262AA	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Vgs (Max)	±20V	±20V	±25V	±20V
Supplier Device Package	D2PAK	I2PAK	D2PAK	D2PAK
Gate Charge (Qg) (Max) @ Vgs	32 nC @ 10 V	104 nC @ 10 V	8 nC @ 10 V	104 nC @ 10 V
Base Product Number	STB60N	STB60N	STB6N60	STB60N
FET Feature	-	-	-	-
Rds On (Max) @ Id, Vgs	10.5mOhm @ 30A, 10V	23mOhm @ 40A, 10V	1.2Ohm @ 2.25A, 10V	23mOhm @ 40A, 10V
Power Dissipation (Max)	70W (Tc)	300W (Tc)	60W (Tc)	300W (Tc)
Mounting Type	Surface Mount	Through Hole	Surface Mount	Surface Mount
Current - Continuous Drain (Id) @ 25°C	60A (Tc)	80A (Tc)	4.5A (Tc)	80A (Tc)
Drain to Source Voltage (Vdss)	24 V	100 V	600 V	100 V
Drive Voltage (Max Rds On, Min Rds On)	5V, 10V	10V	10V	10V
Input Capacitance (Ciss) (Max) @ Vds	1400 pF @ 15 V	4270 pF @ 25 V	232 pF @ 100 V	4270 pF @ 25 V
Series	STripFET™ III	STripFET™ II	MDmesh™ II Plus	STripFET™ II

STB60NH02LT4 Datasheet PDF

Download STB60NH02LT4 pdf datasheets and STMicroelectronics documentation for STB60NH02LT4 - STMicroelectronics.

Datasheets

STB60NH02L.pdf

Customers Also Interested in

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STMicroelectronics



STB6100
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MOSFET N-CH 100V 80A I2PAK



STB6100/DPH
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STB60NF03L
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STB60NH02LT4 MOS
STMicroelectronics



STB6N60M2
STMicroelectronics
MOSFET N-CH 600V 4.5A D2PAK



STB60NF10T4
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MOSFET N-CH 100V 80A D2PAK



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MOSFET N-CH 60V 60A D2PAK



STB60NF06LT4
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MOSFET N-CH 60V 60A D2PAK



STB60NF06T4
STMicroelectronics
MOSFET N-CH 60V 60A 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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Contact us if you have any questions.

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+00852 9146 4856
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