



Image may be representation.
See specifications for product details.



STW13NB60

Manufacturer Part Number	STW13NB60
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STW13NB60
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 600V 13A TO247-3
Package	TO-247-3
Data sheet	ST(H,W)13NB60(FI).pdf

Get a Quote

STW13NB60 - STMicroelectronics.New Original in Stock. Download Linear Technology STW13NB60 datasheet/specifications on AllelcoElec.com.
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Specifications

STW13NB60 Tech Specifications
STW13NB60 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	150°C (TJ)
Vgs(th) (Max) @ Id	5V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	2600 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	82 nC @ 10 V
Supplier Device Package	TO-247-3	FET Type	N-Channel
Series	PowerMESH™	FET Feature	-
Rds On (Max) @ Id, Vgs	540mOhm @ 6.5A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	190W (Tc)	Drain to Source Voltage (Vdss)	600 V
Package / Case	TO-247-3	Current - Continuous Drain (Id) @ 25°C	13A (Tc)
Package	Tube	Base Product Number	STW13N

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STW13NB60

Product Attribute				
Part Number	STW13NB60	STW13NM50N	STW13NK80Z	STW12NK95Z
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Current - Continuous Drain (Id) @ 25°C	13A (Tc)	12A (Tc)	12A (Tc)	10A (Tc)
Supplier Device Package	TO-247-3	TO-247-3	TO-247-3	TO-247-3
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	600 V	500 V	800 V	950 V
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Rds On (Max) @ Id, Vgs	540mOhm @ 6.5A, 10V	320mOhm @ 6A, 10V	650mOhm @ 6A, 10V	900mOhm @ 5A, 10V
Base Product Number	STW13N	STW13N	STW13N	STW12N
Vgs (Max)	±30V	±25V	±30V	±30V
Package	Tube	Tube	Tube	Tube
Vgs(th) (Max) @ Id	5V @ 250µA	4V @ 250µA	4.5V @ 100µA	4.5V @ 100µA
Package / Case	TO-247-3	TO-247-3	TO-247-3	TO-247-3
Gate Charge (Qg) (Max) @ Vgs	82 nC @ 10 V	30 nC @ 10 V	155 nC @ 10 V	113 nC @ 10 V
Power Dissipation (Max)	190W (Tc)	100W (Tc)	230W (Tc)	230W (Tc)
Input Capacitance (Ciss) (Max) @ Vds	2600 pF @ 25 V	960 pF @ 50 V	3480 pF @ 25 V	3500 pF @ 25 V
Series	PowerMESH™	MDmesh™ II	SuperMESH™	SuperMESH™
FET Feature	-	-	-	-
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Operating Temperature	150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)

STW13NB60 Datasheet PDF

Download STW13NB60 pdf datasheets and STMicroelectronics documentation for STW13NB60 - STMicroelectronics.

Datasheets

ST(H,W)13NB60(FI).pdf

Customers Also Interested in

Recommended Products

**STW13NM50N**STMicroelectronics
MOSFET N-CH 500V 12A TO247-3**STW13NK80Z**STMicroelectronics
MOSFET N-CH 800V 12A TO247-3**STW12NK90Z MOS**

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**STW12NK95Z**STMicroelectronics
MOSFET N-CH 950V 10A TO247-3**STW13NK100Z MOS**

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**STW12NM60N**STMicroelectronics
MOSFET N-CH 600V 10A TO247-3**STW13009**STMicroelectronics
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MOSFET N-CH 950V 10A TO247-3**STW150NF55**STMicroelectronics
MOSFET N-CH 55V 120A TO247-3**STW14NK50Z**STMicroelectronics
MOSFET N-CH 500V 14A TO247-3**STW12NK95Z MOS**

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**STW14NK60Z**STMicroelectronics
MOSFET N-CH 600V 13.5A TO247-3**STW14NC50**

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**STW13NK60Z**STMicroelectronics
MOSFET N-CH 600V 13A TO247-3**STW13NK100Z**STMicroelectronics
MOSFET N-CH 1000V 13A TO247-3**STW13N60M2**STMicroelectronics
MOSFET N-CH 600V 11A TO247-3**STW12NK90Z**STMicroelectronics
MOSFET N-CH 900V 11A TO247-3

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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Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.

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