



Image may be representation.  
See specifications for product details.



## STW72N60DM2AG

Manufacturer Part Number	<b>STW72N60DM2AG</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STW72N60DM2AG
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 600V 66A TO247
Package	TO-247-3
Data sheet	<b>STW72N60DM2AG.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STW72N60DM2AG - STMicroelectronics. New Original in Stock. Download Linear Technology STW72N60DM2AG datasheet/specifications on AllelcoElec.com. Request a quote for STW72N60DM2AG, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STW72N60DM2AG Tech Specifications  
STW72N60DM2AG - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	5V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±25V	Input Capacitance (Ciss) (Max) @ Vds	5508 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	121 nC @ 10 V
Supplier Device Package	TO-247-3	FET Type	N-Channel
Series	Automotive, AEC-Q101, MDMesh™ DM2	FET Feature	-
Rds On (Max) @ Id, Vgs	42mOhm @ 33A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	446W (Tc)	Drain to Source Voltage (Vdss)	600 V
Package / Case	TO-247-3	Current - Continuous Drain (Id) @ 25°C	66A (Tc)
Package	Tube	Base Product Number	STW72

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STW72N60DM2AG

Product Attribute				
Part Number	STW72N60DM2AG	STW70N60DM6-4	STW70N65M2	STW70N60M2-4
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
FET Feature	-	-	-	-
Drain to Source Voltage (Vdss)	600 V	600 V	650 V	600 V
Current - Continuous Drain (Id) @ 25°C	66A (Tc)	62A (Tc)	63A (Tc)	68A (Tc)
Supplier Device Package	TO-247-3	TO-247-4	TO-247-3	TO-247-4
Rds On (Max) @ Id, Vgs	42mOhm @ 33A, 10V	42mOhm @ 31A, 10V	46mOhm @ 31.5A, 10V	40mOhm @ 34A, 10V
Input Capacitance (Ciss) (Max) @ Vds	5508 pF @ 100 V	4360 pF @ 100 V	5140 pF @ 100 V	5200 pF @ 100 V
Vgs (Max)	±25V	±25V	±25V	±25V
Base Product Number	STW72	STW70	STW70	STW70
Package / Case	TO-247-3	TO-247-4	TO-247-3	TO-247-4
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Gate Charge (Qg) (Max) @ Vgs	121 nC @ 10 V	99 nC @ 10 V	117 nC @ 10 V	118 nC @ 10 V
Vgs(th) (Max) @ Id	5V @ 250µA	4.75V @ 250µA	4V @ 250µA	4V @ 250µA
Package	Tube	Tube	Tube	Tube
Series	Automotive, AEC-Q101, MDMesh™ DM2	-	MDMesh™ M2	MDMesh™ M2
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Power Dissipation (Max)	446W (Tc)	390W (Tc)	446W (Tc)	450W (Tc)

### STW72N60DM2AG Datasheet PDF

Download STW72N60DM2AG pdf datasheets and STMicroelectronics documentation for STW72N60DM2AG - STMicroelectronics.

#### Datasheets

[STW72N60DM2AG.pdf](#)





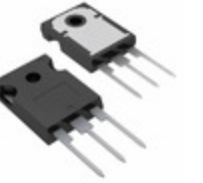











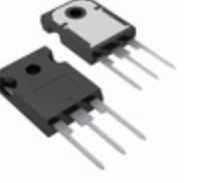

#### PCN Design/Specification

[Mult Dev Adv Material Notice 8/Apr/2019.pdf](#)

#### PCN Assembly/Origin

## Customers Also Interested in

### Recommended Products

					
<b>STW70N60DM6-4</b> STMicroelectronics MOSFET N-CH 600V 62A TO247-4	<b>STW70N65M2</b> STMicroelectronics MOSFET N-CH 650V 63A TO247-3	<b>STW77N60M5</b> STMicroelectronics	<b>STW70N60M2-4</b> STMicroelectronics MOSFET N-CH 600V 68A TO247	<b>STW70N10F4</b> STMicroelectronics MOSFET N-CH 100V 65A TO247-3	<b>STW77N65M5</b> STMicroelectronics MOSFET N-CH 650V 69A TO247-3
					
<b>STW75NF30</b> STMicroelectronics MOSFET N-CH 300V 60A TO247-3	<b>STW70N65DM6</b> STMicroelectronics MOSFET N-CH 650V 68A TO247	<b>STW75N60DM6</b> STMicroelectronics MOSFET N-CH 600V 72A TO247	<b>STW75N60M6-4</b> STMicroelectronics MOSFET N-CH 600V 72A TO247-4	<b>STW75NF30 MOS</b> STMicroelectronics	<b>STW70N60DM6</b> STMicroelectronics MOSFET N-CH 600V 62A TO247
					
<b>STW77N65DM5</b> STMicroelectronics	<b>STW75NF20</b> STMicroelectronics MOSFET N-CH 200V 75A TO247-3	<b>STW75N60M6</b> STMicroelectronics MOSFET N-CH 600V 72A TO247	<b>STW75N20 CMH82N25 MOS</b> STMicroelectronics	<b>STW70N60M2</b> STMicroelectronics MOSFET N-CH 600V 68A TO247	<b>STW70N60DM2</b> STMicroelectronics MOSFET N-CH 600V 66A TO247

## 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.

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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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