



Image may be representation.
See specifications for product details.



STD5N60DM2

Manufacturer Part Number	STD5N60DM2
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STD5N60DM2
ECAD Model	PCB Footprint and Symbol
Parts Description	MOSFET N-CH 600V 3.5A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	STD5N60DM2 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STD5N60DM2 - STMicroelectronics.New Original in Stock. Download Linear Technology STD5N60DM2 datasheet/specifications on AllelcoElec.com.
Request a quote for STD5N60DM2, please send us email: info@allelco.com

Specifications

STD5N60DM2 Tech Specifications

STD5N60DM2 - 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	Surface Mount
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	375 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	8.6 nC @ 10 V
Supplier Device Package	DPAK	FET Type	N-Channel
Series	MDmesh™ DM2	FET Feature	-
Rds On (Max) @ Id, Vgs	1.550hm @ 1.75A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	45W (Tc)	Drain to Source Voltage (Vdss)	600 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	3.5A (Tc)
Package	Tape & Reel (TR)	Base Product Number	STD5

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STD5N60DM2

Product Attribute				
Part Number	STD5N60DM2	STD5N20LT4	STD5N95K5	STD5N60M2
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Current - Continuous Drain (Id) @ 25°C	3.5A (Tc)	5A (Tc)	3.5A (Tc)	3.5A (Tc)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	150°C (TJ)
Supplier Device Package	DPAK	DPAK	DPAK	DPAK
Vgs(th) (Max) @ Id	5V @ 250µA	2.5V @ 50µA	5V @ 100µA	4V @ 250µA
Drive Voltage (Max Rds On, Min Rds On)	10V	5V	10V	10V
FET Feature	-	-	-	-
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Series	MDmesh™ DM2	STripFET™	SuperMESH5™	MDmesh™ II Plus
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Power Dissipation (Max)	45W (Tc)	33W (Tc)	70W (Tc)	45W (Tc)
Input Capacitance (Ciss) (Max) @ Vds	375 pF @ 100 V	242 pF @ 25 V	220 pF @ 100 V	211 pF @ 100 V
Rds On (Max) @ Id, Vgs	1.550hm @ 1.75A, 10V	700m0hm @ 2.5A, 5V	2.50hm @ 1.5A, 10V	1.40hm @ 1.7A, 10V
Gate Charge (Qg) (Max) @ Vgs	8.6 nC @ 10 V	6 nC @ 5 V	12.5 nC @ 10 V	8.5 nC @ 10 V
Drain to Source Voltage (Vdss)	600 V	200 V	950 V	600 V
Vgs (Max)	±30V	±20V	±30V	±25V
Base Product Number	STD5	STD5N20	STD5N95	STD5

STD5N60DM2 Datasheet PDF

Download STD5N60DM2 pdf datasheets and STMicroelectronics documentation for STD5N60DM2 - STMicroelectronics.

Datasheets

[STD5N60DM2 Datasheet.pdf](#)

PCN Packaging



















[Reel Design Change 22/Aug/2022.pdf](#)

PCN Assembly/Origin

PCN Design/Specification

Customers Also Interested in

Recommended Products

 STD5N20LT4 MOS STMicroelectronics	 STD5N20LT4 STMicroelectronics MOSFET N-CH 200V 5A DPAK	 STD5N95K5 STMicroelectronics MOSFET N-CH 950V 3.5A DPAK	 STD5N60M2 STMicroelectronics MOSFET N-CH 600V 3.5A DPAK	 STD5N65M6 STMicroelectronics MOSFET N-CH 650V DPAK	 STD5NB30 VBSEMI
 STD5N62K3 STMicroelectronics MOSFET N-CH 620V 4.2A DPAK	 STD5N62K3 MOS STMicroelectronics	 STD5N52K3 STMicroelectronics MOSFET N-CH 525V 4.4A DPAK	 STD5N20L MOS STMicroelectronics	 STD5N52U STMicroelectronics MOSFET N-CH 525V 4.4A DPAK	 STD5N95K3 STMicroelectronics MOSFET N-CH 950V 4A DPAK
 STD5N80K5 STMicroelectronics MOSFET N-CH 800V 4A DPAK	 STD5N20T4/PK STMicroelectronics	 STD5N52K3 5N52K3 STMicroelectronics	 STD5N20T4 STMicroelectronics MOSFET N-CH 200V 5A DPAK	 STD5N20L STMicroelectronics	 STD5NE10 STMicroelectronics

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.



Your Faithful Supply Chain Partner -

 Efficient Supply Management	 Cost-Saving Procurement	 Fast Sourcing & Delivery
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Contact us if you have any questions.

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Certifications & Memberships



View More

Contact us

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