



Image may be representation.
See specifications for product details.



STD5N60M2

Manufacturer Part Number	STD5N60M2
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STD5N60M2
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 600V 3.5A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	STx5N60M2.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STD5N60M2 - STMicroelectronics.New Original in Stock. Download Linear Technology STD5N60M2 datasheet/specifications on AllelcoElec.com.
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Specifications

STD5N60M2 Tech Specifications

STD5N60M2 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	150°C (TJ)
Vgs(th) (Max) @ Id	4V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±25V	Input Capacitance (Ciss) (Max) @ Vds	211 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	8.5 nC @ 10 V
Supplier Device Package	DPAK	FET Type	N-Channel
Series	MDmesh™ II Plus	FET Feature	-
Rds On (Max) @ Id, Vgs	1.4Ohm @ 1.7A, 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 STD5N60M2

Product Attribute				
Part Number	STD5N60M2	STD5N52U	STD5N95K3	STD5N52K3
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Base Product Number	STD5	STD5N52	STD5N95	STD5N52
FET Feature	-	-	-	-
Vgs (Max)	±25V	±30V	±30V	±30V
Power Dissipation (Max)	45W (Tc)	70W (Tc)	90W (Tc)	70W (Tc)
Operating Temperature	150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Supplier Device Package	DPAK	DPAK	DPAK	DPAK
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Gate Charge (Qg) (Max) @ Vgs	8.5 nC @ 10 V	16.9 nC @ 10 V	19 nC @ 10 V	17 nC @ 10 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Input Capacitance (Ciss) (Max) @ Vds	211 pF @ 100 V	529 pF @ 25 V	460 pF @ 25 V	545 pF @ 100 V
Current - Continuous Drain (Id) @ 25°C	3.5A (Tc)	4.4A (Tc)	4A (Tc)	4.4A (Tc)
Vgs(th) (Max) @ Id	4V @ 250µA	4.5V @ 50µA	5V @ 100µA	4.5V @ 50µA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	MDmesh™ II Plus	UltraFASTmesh™	SuperMESH3™	SuperMESH3™
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
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
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Rds On (Max) @ Id, Vgs	1.4Ohm @ 1.7A, 10V	1.5Ohm @ 2.2A, 10V	3.5Ohm @ 2A, 10V	1.5Ohm @ 2.2A, 10V
Drain to Source Voltage (Vdss)	600 V	525 V	950 V	525 V

STD5N60M2 Datasheet PDF

Download STD5N60M2 pdf datasheets and STMicroelectronics documentation for STD5N60M2 - STMicroelectronics.

Datasheets

[STx5N60M2.pdf](#)










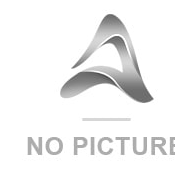








PCN Packaging

[Mult Dev Inner Box Chg 9/Dec/2021.pdf](#)

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Recommended Products

 STD5N52U STMicroelectronics MOSFET N-CH 525V 4.4A DPAK	 STD5N95K3 STMicroelectronics MOSFET N-CH 950V 4A DPAK	 STD5NE10 STMicroelectronics	 STD5N52K3 STMicroelectronics MOSFET N-CH 525V 4.4A DPAK	 STD5N62K3 STMicroelectronics MOSFET N-CH 620V 4.2A DPAK	 STD5N52U D5N52U STMicroelectronics
 STD5N95K5 STMicroelectronics MOSFET N-CH 950V 3.5A DPAK	 STD5N65M6 STMicroelectronics MOSFET N-CH 650V DPAK	 STD5N60DM2 STMicroelectronics MOSFET N-CH 600V 3.5A DPAK	 STD5NB30 VBSEMI	 STD5N20LT4 MOS STMicroelectronics	 STD5N52K3 5N52K3 STMicroelectronics
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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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-  Efficient Supply Management
-  Cost-Saving Procurement
-  Fast Sourcing & Delivery

Contact us if you have any questions.

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-  Email
info@allelco.com

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