



STD5NM50AG

Manufacturer Part Number	STD5NM50AG
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STD5NM50AG
ECAD Model	PCB Footprint and Symbol
Parts Description	MOSFET N-CH 500V 7.5A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	STD5NM50AG.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STD5NM50AG - STMicroelectronics.New Original in Stock. Download Linear Technology STD5NM50AG datasheet/specifications on AllelcoElec.com.
Request a quote for STD5NM50AG, please send us email: info@allelco.com

Specifications

STD5NM50AG Tech Specifications
STD5NM50AG - 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	415 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	13 nC @ 10 V
Supplier Device Package	TO-252 (D-Pak)	FET Type	N-Channel
Series	MDmesh™	FET Feature	-
Rds On (Max) @ Id, Vgs	800mOhm @ 2.5A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	100W (Tc)	Drain to Source Voltage (Vdss)	500 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	7.5A (Tc)
Package	Tape & Reel (TR)	Base Product Number	STD5NM50

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STD5NM50AG

Product Attribute				
Part Number	STD5NM50AG	STD5NM60-1	STD5NM50T4	STD5NM60T4
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Drain to Source Voltage (Vdss)	500 V	600 V	500 V	600 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Supplier Device Package	TO-252 (D-Pak)	I-PAK	DPAK	DPAK
Rds On (Max) @ Id, Vgs	800mOhm @ 2.5A, 10V	10hm @ 2.5A, 10V	800mOhm @ 2.5A, 10V	10hm @ 2.5A, 10V
Input Capacitance (Ciss) (Max) @ Vds	415 pF @ 100 V	400 pF @ 25 V	415 pF @ 25 V	400 pF @ 25 V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Power Dissipation (Max)	100W (Tc)	96W (Tc)	100W (Tc)	96W (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Gate Charge (Qg) (Max) @ Vgs	13 nC @ 10 V	18 nC @ 10 V	13 nC @ 10 V	18 nC @ 10 V
Vgs(th) (Max) @ Id	5V @ 250µA	5V @ 250µA	5V @ 250µA	5V @ 250µA
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Package	Tape & Reel (TR)	Tube	Tape & Reel (TR)	Tape & Reel (TR)
Series	MDmesh™	MDmesh™	MDmesh™	MDmesh™
Vgs (Max)	±30V	±30V	±30V	±30V
FET Feature	-	-	-	-
Base Product Number	STD5NM50	STD5NM60	STD5NM50	STD5NM60
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-251-3 Short Leads, IPak, TO-251AA	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63
Current - Continuous Drain (Id) @ 25°C	7.5A (Tc)	5A (Tc)	7.5A (Tc)	5A (Tc)
Mounting Type	Surface Mount	Through Hole	Surface Mount	Surface Mount

STD5NM50AG Datasheet PDF

Download STD5NM50AG pdf datasheets and STMicroelectronics documentation for STD5NM50AG - STMicroelectronics.

Datasheets

STD5NM50AG.pdf







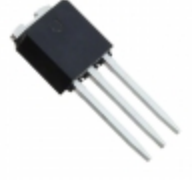











PCN Packaging

Mult Dev Inner Box Chg 9/Dec/2021.pdf

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

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STD5NM50Z-T4 STMicroelectronics	STD5NK60Z D5NK60Z STMicroelectronics	STD5NM50-1 VBSEMI	STD5NK52ZD MOS STMicroelectronics	STD5NK60ZT4 MOS STMicroelectronics	STD5NM50T4 MOS STMicroelectronics
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STD5NM60-1 STMicroelectronics MOSFET N-CH 600V 5A IPAK	STD5NM60T4G STMicroelectronics	STD5NM50T4 STMicroelectronics MOSFET N-CH 500V 7.5A DPAK	STD5NM60T4 STMicroelectronics MOSFET N-CH 600V 5A DPAK	STD5NM60-1 MOS STMicroelectronics	STD5NK60Z MOS STMicroelectronics
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STD5NM60T4 MOS STMicroelectronics	STD5NK60ZT4 STMicroelectronics MOSFET N-CH 600V 5A DPAK	STD5NM60 STMicroelectronics	STD5NM50 STMicroelectronics	STD5NK95K5 STMicroelectronics	STD5NK60Z 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

Contact us if you have any questions.

-  Phone
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-  Email
info@allelco.com

Certifications & Memberships



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