



Image may be representation.
See specifications for product details.



STD5NK60ZT4

Manufacturer Part Number	STD5NK60ZT4
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STD5NK60ZT4
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 600V 5A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	ST(D,P)5NK60Z(FP).pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STD5NK60ZT4 - STMicroelectronics.New Original in Stock. Download Linear Technology STD5NK60ZT4 datasheet/specifications on AllelcoElec.com.
Request a quote for STD5NK60ZT4, please send us email: info@allelco.com

Specifications

STD5NK60ZT4 Tech Specifications

STD5NK60ZT4 - 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	4.5V @ 50µA	Mounting Type	Surface Mount
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	690 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	34 nC @ 10 V
Supplier Device Package	DPAK	FET Type	N-Channel
Series	SuperMESH™	FET Feature	-
Rds On (Max) @ Id, Vgs	1.6Ohm @ 2.5A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	90W (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	5A (Tc)
Package	Tape & Reel (TR)	Base Product Number	STD5NK60

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STD5NK60ZT4

Product Attribute				
Part Number	STD5NK60ZT4	STD5NK50Z-1	STD5NK50ZT4	STD5NM50T4
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Vgs(th) (Max) @ Id	4.5V @ 50µA	4.5V @ 50µA	4.5V @ 50µA	5V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	34 nC @ 10 V	28 nC @ 10 V	28 nC @ 10 V	13 nC @ 10 V
Mounting Type	Surface Mount	Through Hole	Surface Mount	Surface Mount
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
Input Capacitance (Ciss) (Max) @ Vds	690 pF @ 25 V	535 pF @ 25 V	535 pF @ 25 V	415 pF @ 25 V
Rds On (Max) @ Id, Vgs	1.6Ohm @ 2.5A, 10V	1.50hm @ 2.2A, 10V	1.50hm @ 2.2A, 10V	800mOhm @ 2.5A, 10V
Drain to Source Voltage (Vdss)	600 V	500 V	500 V	500 V
Current - Continuous Drain (Id) @ 25°C	5A (Tc)	4.4A (Tc)	4.4A (Tc)	7.5A (Tc)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Supplier Device Package	DPAK	I-PAK	DPAK	DPAK
Series	SuperMESH™	SuperMESH™	SuperMESH™	MDmesh™
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Base Product Number	STD5NK60	STD5N	STD5NK50	STD5NM50
Power Dissipation (Max)	90W (Tc)	70W (Tc)	70W (Tc)	100W (Tc)
Package	Tape & Reel (TR)	Tube	Tape & Reel (TR)	Tape & Reel (TR)
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
FET Feature	-	-	-	-
Vgs (Max)	±30V	±30V	±30V	±30V

STD5NK60ZT4 Datasheet PDF

Download STD5NK60ZT4 pdf datasheets and STMicroelectronics documentation for STD5NK60ZT4 - STMicroelectronics.

Datasheets

[ST\(D,P\)5NK60Z\(FP\).pdf](#)

PCN Packaging



















[Box Label Chg 28/Jul/2016.pdf](#)

PCN Assembly/Origin

PCN Design/Specification

Customers Also Interested in

Recommended Products

 STD5NK522D MOS STMicroelectronics	 STD5NK50Z-1 STMicroelectronics MOSFET N-CH 500V 4.4A IPAK	 STD5NM60 STMicroelectronics	 STD5NM50T4 MOS STMicroelectronics	 STD5NK50ZT4 STMicroelectronics MOSFET N-CH 500V 4.4A DPAK	 STD5NK95K5 STMicroelectronics
 STD5NM50T4 STMicroelectronics MOSFET N-CH 500V 7.5A DPAK	 STD5NK522D STMicroelectronics MOSFET N-CH 520V 4.4A DPAK	 STD5NK50ZT4 MOS STMicroelectronics	 STD5NK60ZT4 MOS STMicroelectronics	 STD5NM50Z-T4 STMicroelectronics	 STD5NK50Z-1 MOS STMicroelectronics
 STD5NK50Z STMicroelectronics	 STD5NK60Z STMicroelectronics	 STD5NM50AG STMicroelectronics MOSFET N-CH 500V 7.5A DPAK	 STD5NK60Z MOS STMicroelectronics	 STD5NM50 STMicroelectronics	 STD5NM50-1 VBSEMI

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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Certifications & Memberships



View More

Contact us

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