



Image may be representation.
See specifications for product details.



STD3NK60ZT4

Manufacturer Part Number	STD3NK60ZT4
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STD3NK60ZT4
ECAD Model	PCB Footprint and Symbol
Parts Description	MOSFET N-CH 600V 2.4A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	STx3NK60Z(-1,FP).pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STD3NK60ZT4 - STMicroelectronics.New Original in Stock. Download Linear Technology STD3NK60ZT4 datasheet/specifications on AllelcoElec.com.
Request a quote for STD3NK60ZT4, please send us email: info@allelco.com

Specifications

STD3NK60ZT4 Tech Specifications

STD3NK60ZT4 - 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	311 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	11.8 nC @ 10 V
Supplier Device Package	DPAK	FET Type	N-Channel
Series	SuperMESH™	FET Feature	-
Rds On (Max) @ Id, Vgs	3.6Ohm @ 1.2A, 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	2.4A (Tc)
Package	Tape & Reel (TR)	Base Product Number	STD3NK60

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STD3NK60ZT4

Product Attribute				
Part Number	STD3NK60ZT4	STD3NK80ZT4	STD3NM50T4	STD3NK60ZD
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Drain to Source Voltage (Vdss)	600 V	800 V	550 V	600 V
Rds On (Max) @ Id, Vgs	3.6Ohm @ 1.2A, 10V	4.5Ohm @ 1.25A, 10V	30hm @ 1.5A, 10V	3.6Ohm @ 1.2A, 10V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	150°C (TJ)	-55°C ~ 150°C (TJ)
Vgs (Max)	±30V	±30V	±30V	±30V
FET Feature	-	-	-	-
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Base Product Number	STD3NK60	STD3NK80	STD3N	STD3N
Input Capacitance (Ciss) (Max) @ Vds	311 pF @ 25 V	485 pF @ 25 V	140 pF @ 25 V	311 pF @ 25 V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Gate Charge (Qg) (Max) @ Vgs	11.8 nC @ 10 V	19 nC @ 10 V	5.5 nC @ 10 V	11.8 nC @ 10 V
Power Dissipation (Max)	45W (Tc)	70W (Tc)	46W (Tc)	45W (Tc)
Series	SuperMESH™	SuperMESH™	MDmesh™	SuperFREDmesh™
Vgs(th) (Max) @ Id	4.5V @ 50µA	4.5V @ 50µA	5V @ 250µA	4.5V @ 50µA
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
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
Current - Continuous Drain (Id) @ 25°C	2.4A (Tc)	2.5A (Tc)	3A (Tc)	2.4A (Tc)
Supplier Device Package	DPAK	DPAK	DPAK	DPAK
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)

STD3NK60ZT4 Datasheet PDF

Download STD3NK60ZT4 pdf datasheets and STMicroelectronics documentation for STD3NK60ZT4 - STMicroelectronics.

Datasheets

[STx3NK60Z\(-1,FP\).pdf](#)



















PCN Packaging

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

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

Customers Also Interested in

Recommended Products

					
STD3NK80ZT4 STMicroelectronics MOSFET N-CH 800V 2.5A DPAK	STD3NM50T4 STMicroelectronics MOSFET N-CH 550V 3A DPAK	STD3NK60ZD STMicroelectronics MOSFET N-CH 600V 2.4A DPAK	STD3NK60Z MOS STMicroelectronics	STD3NK80Z-1 STMicroelectronics MOSFET N-CH 800V 2.5A IPAK	STD3NK80ZT4 MOS STMicroelectronics
					
STD3NK90ZT4 STMicroelectronics MOSFET N-CH 900V 3A DPAK	STD3NK80Z-1 MOS STMicroelectronics	STD3NM60N STMicroelectronics MOSFET N-CH 600V 3.3A DPAK	STD3NK60Z STMicroelectronics	STD3NK50Z-1 STMicroelectronics MOSFET N-CH 500V 2.3A IPAK	STD3NK50Z-1 MOS STMicroelectronics
					
STD3NK50ZT4 STMicroelectronics MOSFET N-CH 500V 2.3A DPAK	STD3NK80Z STMicroelectronics	STD3NK90ZT4 MOS STMicroelectronics	STD3NK60Z-1 STMicroelectronics MOSFET N-CH 600V 2.4A IPAK	STD3NM60 STMicroelectronics	STD3NK60Z-1 MOS 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.



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-  Efficient Supply Management
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Contact us if you have any questions.

-  Phone
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-  Email
info@allelco.com

Certifications & Memberships



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Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com