



Image may be representation.
See specifications for product details.



STD5NK40ZT4

Manufacturer Part Number	STD5NK40ZT4
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STD5NK40ZT4
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 400V 3A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	ST(D,P)5NK40Z(FP,-1).pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STD5NK40ZT4 - STMicroelectronics.New Original in Stock. Download Linear Technology STD5NK40ZT4 datasheet/specifications on AllelcoElec.com.
Request a quote for STD5NK40ZT4, please send us email: info@allelco.com

Specifications

STD5NK40ZT4 Tech Specifications
STD5NK40ZT4 - 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	305 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	17 nC @ 10 V
Supplier Device Package	DPAK	FET Type	N-Channel
Series	SuperMESH™	FET Feature	-
Rds On (Max) @ Id, Vgs	1.80hm @ 1.5A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	45W (Tc)	Drain to Source Voltage (Vdss)	400 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	3A (Tc)
Package	Tape & Reel (TR)	Base Product Number	STD5NK40

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STD5NK40ZT4

Product Attribute				
Part Number	STD5NK40ZT4	STD5NK50Z-1	STD5NK50ZT4	STD5NK40Z-1
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Rds On (Max) @ Id, Vgs	1.80hm @ 1.5A, 10V	1.50hm @ 2.2A, 10V	1.50hm @ 2.2A, 10V	1.80hm @ 1.5A, 10V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Vgs (Max)	±30V	±30V	±30V	±30V
Vgs(th) (Max) @ Id	4.5V @ 50µA	4.5V @ 50µA	4.5V @ 50µA	4.5V @ 50µA
Gate Charge (Qg) (Max) @ Vgs	17 nC @ 10 V	28 nC @ 10 V	28 nC @ 10 V	17 nC @ 10 V
Supplier Device Package	DPAK	I-PAK	DPAK	TO-251 (IPAK)
Input Capacitance (Ciss) (Max) @ Vds	305 pF @ 25 V	535 pF @ 25 V	535 pF @ 25 V	305 pF @ 25 V
Current - Continuous Drain (Id) @ 25°C	3A (Tc)	4.4A (Tc)	4.4A (Tc)	3A (Tc)
Mounting Type	Surface Mount	Through Hole	Surface Mount	Through Hole
Base Product Number	STD5NK40	STD5N	STD5NK50	STD5NK40
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Power Dissipation (Max)	45W (Tc)	70W (Tc)	70W (Tc)	45W (Tc)
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-251-3 Short Leads, IPak, TO-251AA
Package	Tape & Reel (TR)	Tube	Tape & Reel (TR)	Tube
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
FET Feature	-	-	-	-
Series	SuperMESH™	SuperMESH™	SuperMESH™	SuperMESH™
Drain to Source Voltage (Vdss)	400 V	500 V	500 V	400 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)

STD5NK40ZT4 Datasheet PDF

Download STD5NK40ZT4 pdf datasheets and STMicroelectronics documentation for STD5NK40ZT4 - STMicroelectronics.

Datasheets

ST(D,P)5NK40Z(FP,-1).pdf

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Recommended Products



STD5NE10T4
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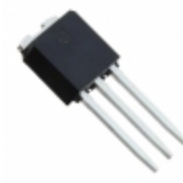
STD5NK50Z-1
STMicroelectronics
MOSFET N-CH 500V 4.4A IPAK



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MOSFET N-CH 500V 4.4A DPAK



STD5NE10-1
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STD5NK40ZT4 MOS
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STD5NK50ZT4 MOS
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STD5NK60Z
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STD5N95K3
STMicroelectronics
MOSFET N-CH 950V 4A DPAK



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

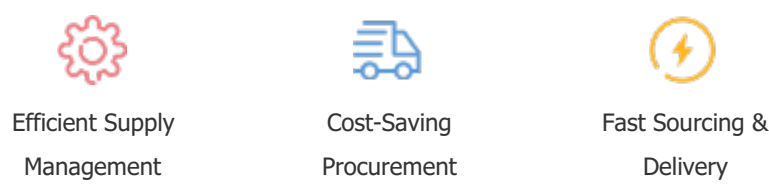
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

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 -



Contact us if you have any questions.



Certifications & Memberships



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