



Image may be representation.
See specifications for product details.



STD5N95K5

Manufacturer Part Number	STD5N95K5
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STD5N95K5
ECAD Model	PCB Footprint and Symbol
Parts Description	MOSFET N-CH 950V 3.5A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	STx5N95K5.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STD5N95K5 - STMicroelectronics. New Original in Stock. Download Linear Technology STD5N95K5 datasheet/specifications on AllelcoElec.com.
Request a quote for STD5N95K5, please send us email: info@allelco.com

Specifications

STD5N95K5 Tech Specifications
STD5N95K5 - 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 @ 100µA	Mounting Type	Surface Mount
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	220 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	12.5 nC @ 10 V
Supplier Device Package	DPAK	FET Type	N-Channel
Series	SuperMESH5™	FET Feature	-
Rds On (Max) @ Id, Vgs	2.50hm @ 1.5A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	70W (Tc)	Drain to Source Voltage (Vdss)	950 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	STD5N95

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STD5N95K5

Product Attribute				
Part Number	STD5N95K5	STD5N80K5	STD5NK40Z-1	STD5N60DM2
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Base Product Number	STD5N95	STD5N80	STD5NK40	STD5
Vgs(th) (Max) @ Id	5V @ 100µA	5V @ 100µA	4.5V @ 50µA	5V @ 250µA
FET Feature	-	-	-	-
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Current - Continuous Drain (Id) @ 25°C	3.5A (Tc)	4A (Tc)	3A (Tc)	3.5A (Tc)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Rds On (Max) @ Id, Vgs	2.50hm @ 1.5A, 10V	1.750hm @ 2A, 10V	1.80hm @ 1.5A, 10V	1.550hm @ 1.75A, 10V
Input Capacitance (Ciss) (Max) @ Vds	220 pF @ 100 V	177 pF @ 100 V	305 pF @ 25 V	375 pF @ 100 V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Supplier Device Package	DPAK	DPAK	TO-251 (IPAK)	DPAK
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	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
Drain to Source Voltage (Vdss)	950 V	800 V	400 V	600 V
Vgs (Max)	±30V	±30V	±30V	±30V
Power Dissipation (Max)	70W (Tc)	60W (Tc)	45W (Tc)	45W (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Series	SuperMESH5™	MDmesh™	SuperMESH™	MDmesh™ DM2
Gate Charge (Qg) (Max) @ Vgs	12.5 nC @ 10 V	5 nC @ 10 V	17 nC @ 10 V	8.6 nC @ 10 V

STD5N95K5 Datasheet PDF

Download STD5N95K5 pdf datasheets and STMicroelectronics documentation for STD5N95K5 - STMicroelectronics.

Datasheets

STx5N95K5.pdf

PCN Packaging

Box Label Chg 28/Jul/2016.pdf



















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

PCN Assembly/Origin

PCN Design/Specification

Customers Also Interested in

Recommended Products

 STD5N80K5 STMicroelectronics MOSFET N-CH 800V 4A DPAK	 STD5NK40Z-1 STMicroelectronics MOSFET N-CH 400V 3A IPAK	 STD5N62K3 MOS STMicroelectronics	 STD5NE10 STMicroelectronics	 STD5N52K3 5N52K3 STMicroelectronics	 STD5N60DM2 STMicroelectronics MOSFET N-CH 600V 3.5A DPAK
 STD5N52U D5N52U STMicroelectronics	 STD5N60M2 STMicroelectronics MOSFET N-CH 600V 3.5A DPAK	 STD5N65M6 STMicroelectronics MOSFET N-CH 650V DPAK	 STD5NK40ZT4 MOS STMicroelectronics	 STD5NE10L MOS STMicroelectronics	 STD5NK40ZT4 STMicroelectronics MOSFET N-CH 400V 3A DPAK
 STD5NE10-1 STMicroelectronics	 STD5N62K3 STMicroelectronics MOSFET N-CH 620V 4.2A DPAK	 STD5NE10T4 STMicroelectronics	 STD5N95K3 STMicroelectronics MOSFET N-CH 950V 4A DPAK	 STD5N52U STMicroelectronics MOSFET N-CH 525V 4.4A DPAK	 STD5NB30 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
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Contact us if you have any questions.

 Phone +00852 9146 4856	 Email info@allelco.com
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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