






STW6N95K5

Manufacturer Part Number	STW6N95K5
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STW6N95K5
ECAD Model	 PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 950V 9A TO247-3
Package	TO-247-3
Data sheet	STx6N95K5.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

STW6N95K5 - STMicroelectronics.New Original in Stock. Download Linear Technology STW6N95K5 datasheet/specifications on AllelcoElec.com.
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Specifications

STW6N95K5 Tech Specifications
STW6N95K5 - 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	Through Hole
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	450 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	13 nC @ 10 V
Supplier Device Package	TO-247-3	FET Type	N-Channel
Series	SuperMESH5™	FET Feature	-
Rds On (Max) @ Id, Vgs	1.250hm @ 3A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	90W (Tc)	Drain to Source Voltage (Vdss)	950 V
Package / Case	TO-247-3	Current - Continuous Drain (Id) @ 25°C	9A (Tc)
Package	Tube	Base Product Number	STW6N95

Parts with Similar Specifications


The three parts on the right have similar specifications to STMicroelectronics STW6N95K5

Product Attribute	 NO PICTURE			
Part Number	STW6N95K5	STW6N95K5	STW70N10F4	STW65N60DM6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package / Case	TO-247-3	TO-247-3	TO-247-3	TO-247-3
Series	SuperMESH5™	MDmesh™ V	DeepGATE™, STripFET™	MDmesh™ DM6
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	-
Rds On (Max) @ Id, Vgs	1.250hm @ 3A, 10V	45mOhm @ 29A, 10V	19.5mOhm @ 30A, 10V	-
Base Product Number	STW6N95	STW69	STW70N	STW65
Package	Tube	Tube	Tube	Tube
Vgs(th) (Max) @ Id	5V @ 100µA	5V @ 250µA	4V @ 250µA	-
Drain to Source Voltage (Vdss)	950 V	650 V	100 V	600 V
Vgs (Max)	±30V	±25V	±20V	±25V
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
FET Feature	-	-	-	-
Power Dissipation (Max)	90W (Tc)	330W (Tc)	150W (Tc)	-
Gate Charge (Qg) (Max) @ Vgs	13 nC @ 10 V	143 nC @ 10 V	85 nC @ 10 V	-
Current - Continuous Drain (Id) @ 25°C	9A (Tc)	58A (Tc)	65A (Tc)	38A (Tc)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Supplier Device Package	TO-247-3	TO-247-3	TO-247-3	TO-247-3
Operating Temperature	-55°C ~ 150°C (TJ)	150°C (TJ)	-55°C ~ 175°C (TJ)	-
Input Capacitance (Ciss) (Max) @ Vds	450 pF @ 100 V	6420 pF @ 100 V	5800 pF @ 25 V	-


STW6N95K5 Datasheet PDF

Download STW6N95K5 pdf datasheets and STMicroelectronics documentation for STW6N95K5 - STMicroelectronics.

Datasheets


STx6N95K5.pdf

PCN Packaging












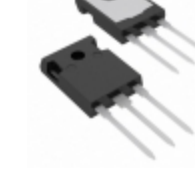







Box Label Chg 28/Jul/2016.pdf

PCN Design/Specification

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

 STW69N65M5 STMicroelectronics MOSFET N-CH 650V 58A TO247	 STW70N10F4 STMicroelectronics MOSFET N-CH 100V 65A TO247-3	 STW65N60DM6 STMicroelectronics MOSFET N-CH 600V 38A TO247	 STW6N120K3 MOS STMicroelectronics	 STW6N90K5 STMicroelectronics MOSFET N-CH 900V 6A TO247	 STW70N60DM6 STMicroelectronics MOSFET N-CH 600V 62A TO247
 STW6NB100 STMicroelectronics	 STW65N65DM2AG STMicroelectronics MOSFET N-CH 650V 60A TO247	 STW6NB90 STMicroelectronics	 STW69N65M5-4 STMicroelectronics MOSFET N-CH 650V 58A TO247-4L	 STW6N100E STMicroelectronics	 STW68N60M6 STMicroelectronics MOSFET N-CH 600V TO247-3
 STW65N80K5 STMicroelectronics MOSFET N-CH 800V 46A TO247	 STW6NC90Z STMicroelectronics	 STW6NC90 STMicroelectronics	 STW6N95K5 MOS STMicroelectronics	 STW70N60DM2 STMicroelectronics MOSFET N-CH 600V 66A TO247	 STW6N120K3 STMicroelectronics MOSFET N-CH 1200V 6A TO247

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.

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Certifications & Memberships



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Contact us

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