



Image may be representation.
See specifications for product details.



STW9NK95Z

Manufacturer Part Number	STW9NK95Z
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STW9NK95Z
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 950V 7A TO247
Package	TO-247-3
Data sheet	STW9NK95Z.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STW9NK95Z - STMicroelectronics.New Original in Stock. Download Linear Technology STW9NK95Z datasheet/specifications on AllelcoElec.com.
Request a quote for STW9NK95Z, please send us email: info@allelco.com

Specifications

STW9NK95Z Tech Specifications

STW9NK95Z - 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 @ 100µA	Mounting Type	Through Hole
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	2256 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	56 nC @ 10 V
Supplier Device Package	TO-247-3	FET Type	N-Channel
Series	SuperMESH™	FET Feature	-
Rds On (Max) @ Id, Vgs	1.380hm @ 3.6A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	160W (Tc)	Drain to Source Voltage (Vdss)	950 V
Package / Case	TO-247-3	Current - Continuous Drain (Id) @ 25°C	7A (Tc)
Package	Tube	Base Product Number	STW9

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STW9NK95Z

Product Attribute				
Part Number	STW9NK95Z	STWA30N65DM6AG	STWA48N60DM2	STWA45N65M5
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Gate Charge (Qg) (Max) @ Vgs	56 nC @ 10 V	46 nC @ 10 V	70 nC @ 10 V	82 nC @ 10 V
Drain to Source Voltage (Vdss)	950 V	650 V	600 V	650 V
Supplier Device Package	TO-247-3	TO-247 Long Leads	TO-247 Long Leads	TO-247
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Input Capacitance (Ciss) (Max) @ Vds	2256 pF @ 25 V	2000 pF @ 100 V	3250 pF @ 100 V	3470 pF @ 100 V
Series	SuperMESH™	Automotive, AEC-Q101	MDmesh™ DM2	MDmesh™ V
Vgs (Max)	±30V	±25V	±25V	±25V
Base Product Number	STW9	STWA30	STWA48	STWA45
Package / Case	TO-247-3	TO-247-3	TO-247-3	TO-247-3
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Package	Tube	Tube	Tube	Tube
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	150°C (TJ)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Rds On (Max) @ Id, Vgs	1.380hm @ 3.6A, 10V	110mOhm @ 14A, 10V	79mOhm @ 20A, 10V	78mOhm @ 17.5A, 10V
Power Dissipation (Max)	160W (Tc)	284W (Tc)	300W (Tc)	210W (Tc)
Vgs(th) (Max) @ Id	4.5V @ 100µA	4.75V @ 250µA	5V @ 250µA	5V @ 250µA
FET Feature	-	-	-	-
Current - Continuous Drain (Id) @ 25°C	7A (Tc)	28A (Tc)	40A (Tc)	35A (Tc)

STW9NK95Z Datasheet PDF

Download STW9NK95Z pdf datasheets and STMicroelectronics documentation for STW9NK95Z - STMicroelectronics.

PCN Design/Specification



















Mult Dev Adv Material Notice 8/Apr/2019.pdf

PCN Assembly/Origin

IPG-PWR/14/8674 02/Sep/2014.pdf

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Recommended Products

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STW9N80K5 STMicroelectronics MOSFET N-CHANNEL 800V 7A TO247	STW9NC90 STMicroelectronics	STW9NK90Z STMicroelectronics MOSFET N-CH 900V 8A TO247-3	STWA65N60DM6 STMicroelectronics MOSFET N-CH 600V 38A TO247	STW9NC80Z STMicroelectronics	STW9NB80 STMicroelectronics
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STW9NK70Z MOS STMicroelectronics	STW9NK80Z STMicroelectronics	STWA57N65M5 STMicroelectronics MOSFET N-CH 650V 42A TO247	STWA88N65M5 STMicroelectronics MOSFET N-CH 650V 84A TO247	STW9N150 STMicroelectronics MOSFET N-CH 1500V 8A TO247-3	STW9NK70Z STMicroelectronics MOSFET N-CH 700V 7.5A TO247-3

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
-  Cost-Saving Procurement
-  Fast Sourcing & Delivery

Contact us if you have any questions.

-  Phone
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info@allelco.com

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