



Image may be representation.
See specifications for product details.



STW70N10F4

Manufacturer Part Number	STW70N10F4
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STW70N10F4
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 100V 65A TO247-3
Package	TO-247-3
Data sheet	STx70N10F4.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STW70N10F4 - STMicroelectronics. New Original in Stock. Download Linear Technology STW70N10F4 datasheet/specifications on AllelcoElec.com.
Request a quote for STW70N10F4, please send us email: info@allelco.com

Specifications

STW70N10F4 Tech Specifications
STW70N10F4 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-55°C ~ 175°C (TJ)
Vgs(th) (Max) @ Id	4V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	5800 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	85 nC @ 10 V
Supplier Device Package	TO-247-3	FET Type	N-Channel
Series	DeepGATE™, STripFET™	FET Feature	-
Rds On (Max) @ Id, Vgs	19.5mOhm @ 30A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	150W (Tc)	Drain to Source Voltage (Vdss)	100 V
Package / Case	TO-247-3	Current - Continuous Drain (Id) @ 25°C	65A (Tc)
Package	Tube	Base Product Number	STW70N

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STW70N10F4

Product Attribute				
Part Number	STW70N10F4	STW70N60DM2	STW6N95K5	STW70N60DM6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package / Case	TO-247-3	TO-247-3	TO-247-3	TO-247-3
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-
Gate Charge (Qg) (Max) @ Vgs	85 nC @ 10 V	121 nC @ 10 V	13 nC @ 10 V	-
Power Dissipation (Max)	150W (Tc)	446W (Tc)	90W (Tc)	-
Rds On (Max) @ Id, Vgs	19.5mOhm @ 30A, 10V	42mOhm @ 33A, 10V	1.25Ohm @ 3A, 10V	-
Series	DeepGATE™, STripFET™	MDmesh™ DM2	SuperMESH5™	MDmesh™ DM6
Package	Tube	Tube	Tube	Tube
Current - Continuous Drain (Id) @ 25°C	65A (Tc)	66A (Tc)	9A (Tc)	62A (Tc)
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Vgs(th) (Max) @ Id	4V @ 250µA	5V @ 250µA	5V @ 100µA	-
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Drain to Source Voltage (Vdss)	100 V	600 V	950 V	600 V
Supplier Device Package	TO-247-3	TO-247-3	TO-247-3	TO-247-3
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Base Product Number	STW70N	STW70	STW6N95	STW70
FET Feature	-	-	-	-
Input Capacitance (Ciss) (Max) @ Vds	5800 pF @ 25 V	5508 pF @ 100 V	450 pF @ 100 V	-
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	-
Vgs (Max)	±20V	±25V	±30V	±25V

STW70N10F4 Datasheet PDF

Download STW70N10F4 pdf datasheets and STMicroelectronics documentation for STW70N10F4 - STMicroelectronics.

Datasheets



















STx70N10F4.pdf

PCN Obsolescence/ EOL

IPD/15/9345 04/Aug/2015.pdf

Customers Also Interested in

Recommended Products

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STW6NB100 STMicroelectronics	STW70N60DM2 STMicroelectronics MOSFET N-CH 600V 66A TO247	STW6N95K5 STMicroelectronics MOSFET N-CH 950V 9A TO247-3	STW70N10 STMicroelectronics	STW70N60DM6 STMicroelectronics MOSFET N-CH 600V 62A TO247	STW70N60M2 STMicroelectronics MOSFET N-CH 600V 68A TO247
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STW6N95K5 MOS STMicroelectronics	STW70N60DM6-4 STMicroelectronics MOSFET N-CH 600V 62A TO247-4	STW6N120K3 MOS STMicroelectronics	STW6NC90Z STMicroelectronics	STW72N60DM2AG STMicroelectronics MOSFET N-CH 600V 66A TO247	STW70N60M2-4 STMicroelectronics MOSFET N-CH 600V 68A TO247
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STW70N65DM6 STMicroelectronics MOSFET N-CH 650V 68A TO247	STW70N65M2 STMicroelectronics MOSFET N-CH 650V 63A TO247-3	STW6NK95K5 STMicroelectronics	STW6NC90 STMicroelectronics	STW6NB90 STMicroelectronics	STW6N90K5 STMicroelectronics MOSFET N-CH 900V 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

Contact us if you have any questions.

-  Phone
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Certifications & Memberships



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