

Image may be representation.
See specifications for product details.



STP75NF75

Manufacturer Part Number	STP75NF75
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STP75NF75
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 75V 80A TO220AB
Package	TO-220-3
Data sheet	ST(B,P)75NF75(FP).pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STP75NF75 - STMicroelectronics.New Original in Stock. Download Linear Technology STP75NF75 datasheet/specifications on AllelcoElec.com.
Request a quote for STP75NF75, please send us email: info@allelco.com

Specifications

STP75NF75 Tech Specifications
STP75NF75 - 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	3700 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	160 nC @ 10 V
Supplier Device Package	TO-220	FET Type	N-Channel
Series	STripFET™ II	FET Feature	-
Rds On (Max) @ Id, Vgs	11mOhm @ 40A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	300W (Tc)	Drain to Source Voltage (Vdss)	75 V
Package / Case	TO-220-3	Current - Continuous Drain (Id) @ 25°C	80A (Tc)
Package	Tube	Base Product Number	STP75

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STP75NF75

Product Attribute				
Part Number	STP75NF75	STP75NF20	STP75N75F4	STP76NF75
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Gate Charge (Qg) (Max) @ Vgs	160 nC @ 10 V	84 nC @ 10 V	76 nC @ 10 V	160 nC @ 10 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Supplier Device Package	TO-220	TO-220	TO-220	TO-220
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Input Capacitance (Ciss) (Max) @ Vds	3700 pF @ 25 V	3260 pF @ 25 V	5015 pF @ 25 V	3700 pF @ 25 V
Rds On (Max) @ Id, Vgs	11mOhm @ 40A, 10V	34mOhm @ 37A, 10V	11mOhm @ 39A, 10V	11mOhm @ 40A, 10V
FET Feature	-	-	-	-
Power Dissipation (Max)	300W (Tc)	190W (Tc)	150W (Tc)	300W (Tc)
Base Product Number	STP75	STP75	STP75N	STP76
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Current - Continuous Drain (Id) @ 25°C	80A (Tc)	75A (Tc)	78A (Tc)	80A (Tc)
Drain to Source Voltage (Vdss)	75 V	200 V	75 V	75 V
Package	Tube	Tube	Tube	Tube
Vgs (Max)	±20V	±20V	±20V	±20V
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Package / Case	TO-220-3	TO-220-3	TO-220-3	TO-220-3
Series	STripFET™ II	STripFET™	DeepGATE™, STripFET™	STripFET™ II
Vgs(th) (Max) @ Id	4V @ 250µA	4V @ 250µA	4V @ 250µA	4V @ 250µA

STP75NF75 Datasheet PDF

Download STP75NF75 pdf datasheets and STMicroelectronics documentation for STP75NF75 - STMicroelectronics.

Datasheets

[ST\(B,P\)75NF75\(FP\).pdf](#)

PCN Packaging

[Box Label Chg 28/Jul/2016.pdf](#)


















[Traceability 06/Mar/2017.pdf](#)

PCN Design/Specification

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

					
STP75NF20 STMicroelectronics MOSFET N-CH 200V 75A TO220AB	STP75NF75-CN STMicroelectronics	STP75N75F4 STMicroelectronics MOSFET N-CH 75V 78A TO220	STP75N06 P75N06 STMicroelectronics	STP76NF75 STMicroelectronics MOSFET N-CH 75V 80A TO220	STP75N3LLH6 STMicroelectronics MOSFET N-CH 30V 75A TO220
				NO PICTURE	
STP75NF68 STMicroelectronics MOSFET N-CH 68V 80A TO220-3	STP75NS04Z STMicroelectronics MOSFET N-CH 33V 80A TO220AB	STP75N75 STMicroelectronics	STP728 STMicroelectronics	STP7401 SEMTRON-MICRO	STP75NF20 MOS STMicroelectronics
					
STP75NF75 MOS STMicroelectronics	STP75NS04Z MOS STMicroelectronics	STP75NF75 P75NF75 STMicroelectronics	STP75NF75-MOR STMicroelectronics	STP75NE75 STMicroelectronics	STP75NF75FP STMicroelectronics MOSFET N-CH 75V 80A TO220FP

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.

	
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Certifications & Memberships



View More

Contact us

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