

Image may be representation.
See specifications for product details.



STP80NF55-08

Manufacturer Part Number	STP80NF55-08
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STP80NF55-08
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 55V 80A TO220AB
Package	TO-220-3
Data sheet	STx80NF55-08(T4).pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STP80NF55-08 - STMicroelectronics.New Original in Stock. Download Linear Technology STP80NF55-08 datasheet/specifications on AllelcoElec.com.
Request a quote for STP80NF55-08, please send us email: info@allelco.com

Specifications

STP80NF55-08 Tech Specifications

STP80NF55-08 - 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	3850 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	155 nC @ 10 V
Supplier Device Package	TO-220	FET Type	N-Channel
Series	STripFET™	FET Feature	-
Rds On (Max) @ Id, Vgs	8mOhm @ 40A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	300W (Tc)	Drain to Source Voltage (Vdss)	55 V
Package / Case	TO-220-3	Current - Continuous Drain (Id) @ 25°C	80A (Tc)
Package	Tube	Base Product Number	STP80

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STP80NF55-08

Product Attribute				
Part Number	STP80NF55-08	STP80NF55-06	STP80NF70	STP80NF10FP
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Vgs (Max)	±20V	±20V	±20V	±20V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Gate Charge (Qg) (Max) @ Vgs	155 nC @ 10 V	189 nC @ 10 V	75 nC @ 10 V	189 nC @ 10 V
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Power Dissipation (Max)	300W (Tc)	300W (Tc)	190W (Tc)	45W (Tc)
Rds On (Max) @ Id, Vgs	8mOhm @ 40A, 10V	6.5mOhm @ 40A, 10V	9.8mOhm @ 40A, 10V	15mOhm @ 40A, 10V
Input Capacitance (Ciss) (Max) @ Vds	3850 pF @ 25 V	4400 pF @ 25 V	2550 pF @ 25 V	4300 pF @ 25 V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Series	STripFET™	STripFET™ II	STripFET™ II	STripFET™ II
Package	Tube	Tube	Tube	Tube
Base Product Number	STP80	STP80	STP80	STP80
Drain to Source Voltage (Vdss)	55 V	55 V	68 V	100 V
FET Feature	-	-	-	-
Supplier Device Package	TO-220	TO-220	TO-220	TO-220FP
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Current - Continuous Drain (Id) @ 25°C	80A (Tc)	80A (Tc)	98A (Tc)	38A (Tc)
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Vgs(th) (Max) @ Id	4V @ 250µA	4V @ 250µA	4V @ 250µA	4V @ 250µA
Package / Case	TO-220-3	TO-220-3	TO-220-3	TO-220-3 Full Pack

STP80NF55-08 Datasheet PDF

Download STP80NF55-08 pdf datasheets and STMicroelectronics documentation for STP80NF55-08 - STMicroelectronics.

Datasheets

[STx80NF55-08\(T4\).pdf](#)

PCN Design/Specification

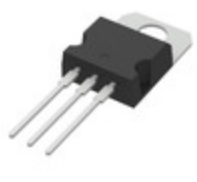
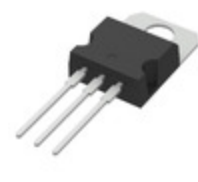
















[Mult Dev Adv Material Notice 8/Apr/2019.pdf](#)

PCN Assembly/Origin

PCN Packaging

Customers Also Interested in

Recommended Products

					
STP80NF55-06 STMicroelectronics MOSFET N-CH 55V 80A TO220AB	STP80NF70 STMicroelectronics MOSFET N-CH 68V 98A TO220AB	STP80NF70 MOS STMicroelectronics	STP80NF10F7 MOS STMicroelectronics	STP80NF10FP STMicroelectronics MOSFET N-CH 100V 38A TO220FP	STP80NF55L STMicroelectronics
					
STP80NF75 STMicroelectronics	STP80NF70 80NF70 STMicroelectronics	STP80NF55L-08 STMicroelectronics	STP80NF75L TOOHONG	STP80NF12 P80NF12 STMicroelectronics	STP80NF12FP STMicroelectronics
					
STP80NF55 STMicroelectronics MOSFET N-CH 55V 80A TO220	STP80NF55L-06 STMicroelectronics MOSFET N-CH 55V 80A TO220AB	STP80NF55-06 MOS STMicroelectronics	STP80NF55-06FP MOS STMicroelectronics	STP80NF55-06FP STMicroelectronics MOSFET N-CH 55V 60A TO220FP	STP80NF12 STMicroelectronics MOSFET N-CH 120V 80A TO220AB

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



View More

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