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See specifications for product details.



STP185N55F3

Manufacturer Part Number	STP185N55F3
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STP185N55F3
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 55V 120A TO220AB
Package	TO-220-3
Data sheet	ST(B,P)185N55F3.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STP185N55F3 - STMicroelectronics.New Original in Stock. Download Linear Technology STP185N55F3 datasheet/specifications on AllelcoElec.com.
Request a quote for STP185N55F3, please send us email: info@allelco.com

Specifications

STP185N55F3 Tech Specifications

STP185N55F3 - 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	6800 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	100 nC @ 10 V
Supplier Device Package	TO-220	FET Type	N-Channel
Series	STripFET™	FET Feature	-
Rds On (Max) @ Id, Vgs	3.8mOhm @ 60A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	330W (Tc)	Drain to Source Voltage (Vdss)	55 V
Package / Case	TO-220-3	Current - Continuous Drain (Id) @ 25°C	120A (Tc)
Package	Tube	Base Product Number	STP185

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STP185N55F3

Product Attribute				
Part Number	STP185N55F3	STP18NM60N	STP190N55LF3	STP180N55F3
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	5V, 10V	10V
Series	STripFET™	MDmesh™ II	STripFET™	STripFET™
Gate Charge (Qg) (Max) @ Vgs	100 nC @ 10 V	35 nC @ 10 V	80 nC @ 5 V	100 nC @ 10 V
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Package / Case	TO-220-3	TO-220-3	TO-220-3	TO-220-3
Package	Tube	Tube	Tube	Tube
Vgs (Max)	±20V	±25V	±18V	±20V
Power Dissipation (Max)	330W (Tc)	110W (Tc)	312W (Tc)	330W (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Base Product Number	STP185	STP18	STP190	STP180
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Rds On (Max) @ Id, Vgs	3.8mOhm @ 60A, 10V	285mOhm @ 6.5A, 10V	3.7mOhm @ 30A, 10V	3.8mOhm @ 60A, 10V
Vgs(th) (Max) @ Id	4V @ 250µA	4V @ 250µA	2.5V @ 250µA	4V @ 250µA
Supplier Device Package	TO-220	TO-220	TO-220	TO-220
Current - Continuous Drain (Id) @ 25°C	120A (Tc)	13A (Tc)	120A (Tc)	120A (Tc)
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
FET Feature	-	-	-	-
Drain to Source Voltage (Vdss)	55 V	600 V	55 V	55 V
Input Capacitance (Ciss) (Max) @ Vds	6800 pF @ 25 V	1000 pF @ 50 V	6200 pF @ 25 V	6800 pF @ 25 V

STP185N55F3 Datasheet PDF

Download STP185N55F3 pdf datasheets and STMicroelectronics documentation for STP185N55F3 - STMicroelectronics.


Datasheets

[ST\(B,P\)185N55F3.pdf](#)


PCN Design/Specification

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

PCN Packaging

 Traceability 06/Mar/2017.pdf

PCN Assembly/Origin

 Mult Dev Assembly Site Chg 14/Feb/2020.pdf

PCN Obsolescence/ EOL

 STP EOL 25-Mar-2022.pdf

Customers Also Interested in

Recommended Products



STP18NM60N

STMicroelectronics
MOSFET N-CH 600V 13A TO220AB



STP190N55LF3

STMicroelectronics
MOSFET N-CH 55V 120A TO220-3



STP180N55F3

STMicroelectronics
MOSFET N-CH 55V 120A TO220AB



STP18N60DM2

STMicroelectronics
MOSFET N-CH 600V 12A TO220



STP18N60M6

STMicroelectronics
MOSFET N-CH 600V 13A TO220



STP18N60M2

STMicroelectronics
MOSFET N-CH 600V 13A TO220



STP18N65M5

STMicroelectronics
MOSFET N-CH 650V 15A TO220



STP180N4F6

STMicroelectronics
MOSFET N-CHANNEL 40V 120A TO220



STP17NF25 MOS

STMicroelectronics



STP18N65M2

STMicroelectronics
MOSFET N-CH 650V 12A TO220



STP17NK40Z

STMicroelectronics
MOSFET N-CH 400V 15A TO220AB



STP180N10F3

STMicroelectronics
MOSFET N-CH 100V 120A TO220



STP17NK40ZFP

STMicroelectronics
MOSFET N-CH 400V 15A TO220FP



STP180NS04ZC-S MOS

STMicroelectronics



STP18N55M5

STMicroelectronics
MOSFET N-CH 550V 16A TO220AB



STP18NM60ND

STMicroelectronics
MOSFET N-CH 600V 13A TO220



STP180NS04ZC

STMicroelectronics
MOSFET N-CH 33V 120A TO220AB



STP18NM80

STMicroelectronics
MOSFET N-CH 800V 17A 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

Contact us if you have any questions.



Phone

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Email

info@allelco.com

Certifications & Memberships



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