



Image may be representation.
See specifications for product details.



STD30N10F7

Manufacturer Part Number	STD30N10F7
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STD30N10F7
ECAD Model	PCB Footprint and Symbol
Parts Description	MOSFET N-CH 100V 32A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	STD30N10F7.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STD30N10F7 - STMicroelectronics.New Original in Stock. Download Linear Technology STD30N10F7 datasheet/specifications on AllelcoElec.com.
Request a quote for STD30N10F7, please send us email: info@allelco.com

Specifications

STD30N10F7 Tech Specifications

STD30N10F7 - 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	4.5V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	1270 pF @ 50 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	19 nC @ 10 V
Supplier Device Package	DPAK	FET Type	N-Channel
Series	DeepGATE™, STripFET™ VII	FET Feature	-
Rds On (Max) @ Id, Vgs	24mOhm @ 16A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	50W (Tc)	Drain to Source Voltage (Vdss)	100 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	32A (Tc)
Package	Tape & Reel (TR)	Base Product Number	STD30

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STD30N10F7

Product Attribute				
Part Number	STD30N10F7	STD30NE06LT4	STD30NE06L	STD2NK90ZT4
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Current - Continuous Drain (Id) @ 25°C	32A (Tc)	30A (Tc)	30A (Tc)	2.1A (Tc)
Series	DeepGATE™, STripFET™ VII	STripFET™	STripFET™	SuperMESH™
Gate Charge (Qg) (Max) @ Vgs	19 nC @ 10 V	41 nC @ 5 V	41 nC @ 5 V	27 nC @ 10 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
FET Feature	-	-	-	-
Drain to Source Voltage (Vdss)	100 V	60 V	60 V	900 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tube	Tape & Reel (TR)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Power Dissipation (Max)	50W (Tc)	55W (Tc)	55W (Tc)	70W (Tc)
Base Product Number	STD30	STD30N	STD30N	STD2
Drive Voltage (Max Rds On, Min Rds On)	10V	5V, 10V	5V, 10V	10V
Vgs(th) (Max) @ Id	4.5V @ 250µA	2.5V @ 250µA	2.5V @ 250µA	4.5V @ 50µA
Vgs (Max)	±20V	±20V	±20V	±30V
Rds On (Max) @ Id, Vgs	24mOhm @ 16A, 10V	28mOhm @ 15A, 10V	28mOhm @ 15A, 10V	6.5Ohm @ 1.05A, 10V
Supplier Device Package	DPAK	DPAK	DPAK	DPAK
Operating Temperature	-55°C ~ 175°C (TJ)	175°C (TJ)	175°C (TJ)	-55°C ~ 150°C (TJ)
Input Capacitance (Ciss) (Max) @ Vds	1270 pF @ 50 V	2370 pF @ 25 V	2370 pF @ 25 V	485 pF @ 25 V

STD30N10F7 Datasheet PDF

Download STD30N10F7 pdf datasheets and STMicroelectronics documentation for STD30N10F7 - STMicroelectronics.

PCN Packaging

Mult Dev Inner Box Chg 9/Dec/2021.pdf





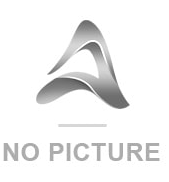













PCN Obsolescence/ EOL

STD DPAK 21-Mar-2022.pdf

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

 STD30NE06LT4 STMicroelectronics MOSFET N-CH 60V 30A DPAK	 STD30NE06L STMicroelectronics MOSFET N-CH 60V 30A DPAK	 STD3055L VBSEMI	 STD2NK90ZT4 STMicroelectronics MOSFET N-CH 900V 2.1A DPAK	 STD30NF03L-1 MOS	 STD30NF04LT STMicroelectronics MOSFET N-CH 40V 30A DPAK
 STD30NF03LT4 STMicroelectronics MOSFET N-CH 30V 30A DPAK	 STD2NK60Z-1 MOS STMicroelectronics	 STD2NK70Z-1 STMicroelectronics MOSFET N-CH 700V 1.6A IPAK	 STD30NF03L STMicroelectronics	 STD30N6LF6AG STMicroelectronics MOSFET N-CH 60V 24A DPAK	 STD2NK90Z-1 STMicroelectronics MOSFET N-CH 900V 2.1A IPAK
 STD2NK70ZT4 STMicroelectronics MOSFET N-CH 700V 1.6A DPAK	 STD2NK80Z STMicroelectronics	 STD2NK90ZT4 MOS STMicroelectronics	 STD2NK90Z-1 MOS STMicroelectronics	 STD30NF03LT4 MOS STMicroelectronics	 STD2NK70ZT4 MOS STMicroelectronics

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
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Contact us if you have any questions.

 Phone +00852 9146 4856	 Email info@allelco.com
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Certifications & Memberships



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Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com