



Image may be representation.
See specifications for product details.



STD16NF25

Manufacturer Part Number	STD16NF25
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STD16NF25
ECAD Model	PCB Footprint and Symbol
Parts Description	MOSFET N-CH 250V 14A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	STx16NF25.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STD16NF25 - STMicroelectronics.New Original in Stock. Download Linear Technology STD16NF25 datasheet/specifications on AllelcoElec.com.
Request a quote for STD16NF25, please send us email: info@allelco.com

Specifications

STD16NF25 Tech Specifications
STD16NF25 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	4V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	680 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	18 nC @ 10 V
Supplier Device Package	DPAK	FET Type	N-Channel
Series	STripFET™ II	FET Feature	-
Rds On (Max) @ Id, Vgs	235mOhm @ 6.5A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	100W (Tc)	Drain to Source Voltage (Vdss)	250 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	14A (Tc)
Package	Tape & Reel (TR)	Base Product Number	STD16

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STD16NF25

Product Attribute				
Part Number	STD16NF25	STD16NF06T4	STD16NF06LT4	STD1766Y
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	AUK
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	-
Power Dissipation (Max)	100W (Tc)	40W (Tc)	40W (Tc)	-
Current - Continuous Drain (Id) @ 25°C	14A (Tc)	16A (Tc)	24A (Tc)	-
Input Capacitance (Ciss) (Max) @ Vds	680 pF @ 25 V	400 pF @ 15 V	370 pF @ 25 V	-
Drain to Source Voltage (Vdss)	250 V	60 V	60 V	-
FET Feature	-	-	-	-
Series	STripFET™ II	STripFET™ II	STripFET™ II	-
Supplier Device Package	DPAK	DPAK	DPAK	-
FET Type	N-Channel	N-Channel	N-Channel	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	-
Gate Charge (Qg) (Max) @ Vgs	18 nC @ 10 V	14.1 nC @ 10 V	7.5 nC @ 5 V	-
Rds On (Max) @ Id, Vgs	235mOhm @ 6.5A, 10V	70mOhm @ 8A, 10V	70mOhm @ 8A, 10V	-
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	5V, 10V	-
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-
Vgs(th) (Max) @ Id	4V @ 250µA	2V @ 250µA	1V @ 250µA	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	-
Vgs (Max)	±20V	±20V	±18V	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	-
Base Product Number	STD16	STD16	STD16	-

STD16NF25 Datasheet PDF

Download STD16NF25 pdf datasheets and STMicroelectronics documentation for STD16NF25 - STMicroelectronics.

Datasheets

[STx16NF25.pdf](#)

PCN Packaging



















[Mult Dev Inner Box Chg 9/Dec/2021.pdf](#)

PCN Assembly/Origin

PCN Design/Specification

Customers Also Interested in

Recommended Products

 STD16NF06T4 STMicroelectronics MOSFET N-CH 60V 16A DPAK	 STD1766Y AUK	 STD16NF06L-1 VBSEMI	 STD1766 Y AUK	 STD16NE06T4 STMicroelectronics	 STD16NE10-TR VBSEMI
 STD1703L MOS STMicroelectronics	 STD17N03 VBSEMI	 STD1703L STMicroelectronics	 STD16NE06LT4 MOS STMicroelectronics	 STD16NE10L STMicroelectronics	 STD1703LT4 STMicroelectronics
 STD1766YS AUK	 STD16NF06 STMicroelectronics	 STD16NF06L STMicroelectronics	 STD16NF06LT4 STMicroelectronics MOSFET N-CH 60V 24A DPAK	 STD16NF06LT4 MOS STMicroelectronics	 STD1766-Y AUK

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


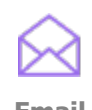
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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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