



Image may be representation.
See specifications for product details.



STD30NF06

Manufacturer Part Number	STD30NF06
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STD30NF06
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 60V 28A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	STD30NF06.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STD30NF06 - STMicroelectronics.New Original in Stock. Download Linear Technology STD30NF06 datasheet/specifications on AllelcoElec.com.
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Specifications

STD30NF06 Tech Specifications
STD30NF06 - 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	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	1750 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	58 nC @ 10 V
Supplier Device Package	DPAK	FET Type	N-Channel
Series	STripFET™ II	FET Feature	-
Rds On (Max) @ Id, Vgs	28mOhm @ 15A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	70W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	28A (Tc)
Package	Tape & Reel (TR)	Base Product Number	STD30N

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STD30NF06

Product Attribute				
Part Number	STD30NF06	STD30NE06L	STD30NF03LT4	STD30NF04LT
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Current - Continuous Drain (Id) @ 25°C	28A (Tc)	30A (Tc)	30A (Tc)	30A (Tc)
Series	STripFET™ II	STripFET™	STripFET™ II	STripFET™ II
Power Dissipation (Max)	70W (Tc)	55W (Tc)	50W (Tc)	50W (Tc)
Package	Tape & Reel (TR)	Tube	Tape & Reel (TR)	Tape & Reel (TR)
Drain to Source Voltage (Vdss)	60 V	60 V	30 V	40 V
Base Product Number	STD30N	STD30N	STD30N	STD30N
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
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Drive Voltage (Max Rds On, Min Rds On)	10V	5V, 10V	4.5V, 10V	5V, 10V
Gate Charge (Qg) (Max) @ Vgs	58 nC @ 10 V	41 nC @ 5 V	18 nC @ 5 V	25 nC @ 10 V
Supplier Device Package	DPAK	DPAK	DPAK	DPAK
Vgs(th) (Max) @ Id	4V @ 250µA	2.5V @ 250µA	2.5V @ 250µA	2.5V @ 250µA
Operating Temperature	-55°C ~ 175°C (TJ)	175°C (TJ)	-65°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Vgs (Max)	±20V	±20V	±20V	±20V
Input Capacitance (Ciss) (Max) @ Vds	1750 pF @ 25 V	2370 pF @ 25 V	830 pF @ 25 V	720 pF @ 25 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Feature	-	-	-	-
Rds On (Max) @ Id, Vgs	28mOhm @ 15A, 10V	28mOhm @ 15A, 10V	25mOhm @ 15A, 10V	30mOhm @ 15A, 10V

STD30NF06 Datasheet PDF

Download STD30NF06 pdf datasheets and STMicroelectronics documentation for STD30NF06 - STMicroelectronics.

Datasheets

STD30NF06.pdf

Customers Also Interested in

Recommended Products



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STD30NF03LT4
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MOSFET P-CH 30V 24A IPAK

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STD30NF06T4
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MOSFET N-CH 60V 28A DPAK

STD30PF03L-1 MOS
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STD30NF03L-1 MOS

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 Alleco 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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