



Image may be representation.
See specifications for product details.



STD16NF06T4

Manufacturer Part Number	STD16NF06T4
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STD16NF06T4
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 60V 16A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	STD16NF06.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STD16NF06T4 - STMicroelectronics.New Original in Stock. Download Linear Technology STD16NF06T4 datasheet/specifications on AllelcoElec.com.
Request a quote for STD16NF06T4, please send us email: info@allelco.com

Specifications

STD16NF06T4 Tech Specifications

STD16NF06T4 - 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	2V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	400 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	14.1 nC @ 10 V
Supplier Device Package	DPAK	FET Type	N-Channel
Series	STripFET™ II	FET Feature	-
Rds On (Max) @ Id, Vgs	70mOhm @ 8A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	40W (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	16A (Tc)
Package	Tape & Reel (TR)	Base Product Number	STD16

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STD16NF06T4

Product Attribute				
Part Number	STD16NF06T4	STD16NF25	STD16NF06LT4	STD1703LT4
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Power Dissipation (Max)	40W (Tc)	100W (Tc)	40W (Tc)	-
FET Feature	-	-	-	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	-
Current - Continuous Drain (Id) @ 25°C	16A (Tc)	14A (Tc)	24A (Tc)	-
Input Capacitance (Ciss) (Max) @ Vds	400 pF @ 15 V	680 pF @ 25 V	370 pF @ 25 V	-
Supplier Device Package	DPAK	DPAK	DPAK	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	-
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	-
Rds On (Max) @ Id, Vgs	70mOhm @ 8A, 10V	235mOhm @ 6.5A, 10V	70mOhm @ 8A, 10V	-
Series	STripFET™ II	STripFET™ II	STripFET™ II	-
Gate Charge (Qg) (Max) @ Vgs	14.1 nC @ 10 V	18 nC @ 10 V	7.5 nC @ 5 V	-
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-
Vgs(th) (Max) @ Id	2V @ 250µA	4V @ 250µA	1V @ 250µA	-
Vgs (Max)	±20V	±20V	±18V	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	-
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	5V, 10V	-
Base Product Number	STD16	STD16	STD16	-
Drain to Source Voltage (Vdss)	60 V	250 V	60 V	-
FET Type	N-Channel	N-Channel	N-Channel	-

STD16NF06T4 Datasheet PDF

Download STD16NF06T4 pdf datasheets and STMicroelectronics documentation for STD16NF06T4 - STMicroelectronics.

Datasheets

STD16NF06.pdf

Customers Also Interested in

Recommended Products



STD1703LT4
STMicroelectronics



STD1703L MOS
STMicroelectronics



STD16NF25
STMicroelectronics
MOSFET N-CH 250V 14A DPAK



STD1766Y
AUK



STD16NE10-TR
VBSEMI



STD16NF06LT4 MOS
STMicroelectronics



STD16NF06L
STMicroelectronics



STD16NF06L-1
VBSEMI



STD16NE06LT4
VBSEMI



STD16NF06LT4
STMicroelectronics
MOSFET N-CH 60V 24A DPAK



STD1766-Y
AUK



STD16NE10L
STMicroelectronics



STD16NE06LT4 MOS
STMicroelectronics



STD1766YS
AUK



STD16NF06
STMicroelectronics



STD1703L
STMicroelectronics



STD16NE06T4
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

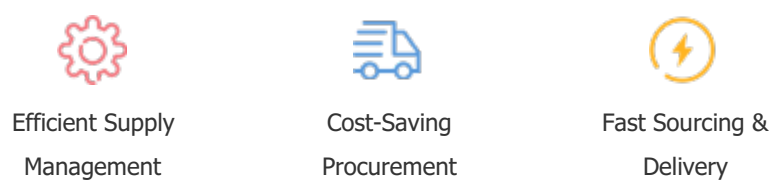
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

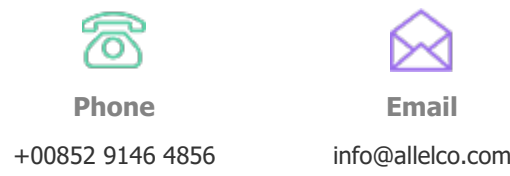
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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