



STD20NF06L

Manufacturer Part Number	STD20NF06L	Manufacturer	UMW
Allelco Part Number	32D-STD20NF06L	ECAD Model	Request Free CAD Models
Parts Description	TO-252 MOSFETS ROHS	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	STD20NF06L.pdf	RoHS Status	ROHS3 Compliant

STD20NF06L - UMW.New Original in Stock. Download Linear Technology STD20NF06L datasheet/specifications on AllelcoElec.com.
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Specifications

STD20NF06L Tech Specifications
STD20NF06L - UMW technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	UMW	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	2.5V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	1562 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	25 nC @ 10 V
Supplier Device Package	TO-252 (DPAK)	FET Type	N-Channel
Series	UMW	FET Feature	-
Rds On (Max) @ Id, Vgs	35mOhm @ 15A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	55W (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	30A (Tc)
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to UMW STD20NF06L

Product Attribute				
Part Number	STD20NF06L	STD20N20T4	STD20NF06LT4	STD20NF06T4
Manufacturer	UMW	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Drain to Source Voltage (Vdss)	60 V	200 V	60 V	60 V
Supplier Device Package	TO-252 (DPAK)	DPAK	DPAK	DPAK
Current - Continuous Drain (Id) @ 25°C	30A (Tc)	18A (Tc)	24A (Tc)	24A (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	10V	5V, 10V	10V
FET Feature	-	-	-	-
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Rds On (Max) @ Id, Vgs	35mOhm @ 15A, 10V	125mOhm @ 10A, 10V	40mOhm @ 12A, 10V	40mOhm @ 12A, 10V
Vgs(th) (Max) @ Id	2.5V @ 250µA	4V @ 250µA	2.5V @ 250µA	4V @ 250µA
Power Dissipation (Max)	55W (Tc)	90W (Tc)	60W (Tc)	60W (Tc)
Gate Charge (Qg) (Max) @ Vgs	25 nC @ 10 V	39 nC @ 10 V	13 nC @ 10 V	31 nC @ 10 V
Vgs (Max)	±20V	±20V	±18V	±20V
Operating Temperature	-55°C ~ 150°C (TJ)	-	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
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
Input Capacitance (Ciss) (Max) @ Vds	1562 pF @ 25 V	940 pF @ 25 V	660 pF @ 25 V	690 pF @ 25 V
Series	UMW	STripFET™ II	STripFET™ II	STripFET™ II

STD20NF06L Datasheet PDF

Download STD20NF06L pdf datasheets and UMW documentation for STD20NF06L - UMW.

Datasheets

[STD20NF06L.pdf](#)

Customers Also Interested in

Recommended Products

STD20NF06LT4 MOS	STD20N20T4	STD20N20T4 MOS	STD20NE06 MOS	STD20NF06L MOS	STD20NF10
STMicroelectronics	STMicroelectronics MOSFET N-CH 200V 18A DPAK	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics

**STD20NF06LT4**STMicroelectronics
MOSFET N-CH 60V 24A DPAK**STD200-BS**

STMicroelectronics

**STD20N03L**

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**STD20NE03LT4**

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**STD20NF06T4**STMicroelectronics
MOSFET N-CH 60V 24A DPAK**STD20NF20**STMicroelectronics
MOSFET N-CH 200V 18A DPAK**STD2058**

AUK

**STD20NF06**

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**STD20NF06T4 MOS**

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**STD20N06T4**

VBSEMI

**STD20NF10T4**STMicroelectronics
MOSFET N CH 100V 25A DPAK**STD20NE03L**

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

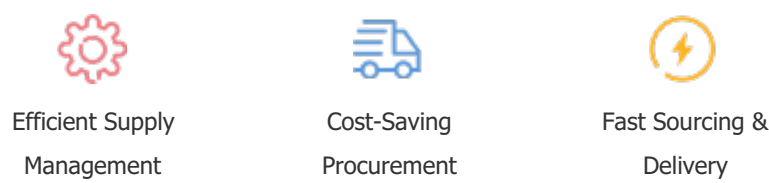
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

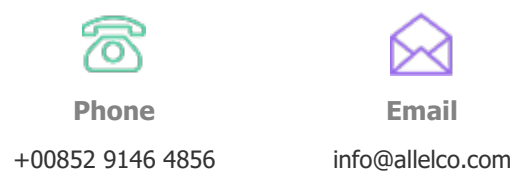
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



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