



STD30NF06L

Manufacturer Part Number	STD30NF06L	Manufacturer	UMW
Allelco Part Number	32D-STD30NF06L	ECAD Model	Request Free CAD Models
Parts Description	TO-252 MOSFETS ROHS	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	STD30NF06.pdf	RoHs Status	ROHS3 Compliant

STD30NF06L - UMW.New Original in Stock. Download Linear Technology STD30NF06L datasheet/specifications on AllelcoElec.com.
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Specifications

STD30NF06L Tech Specifications
STD30NF06L - 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	29mOhm @ 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 STD30NF06L

Product Attribute				
Part Number	STD30NF06L	STD30NF04LT	STD30PF03L-1	STD30NF03LT4
Manufacturer	UMW	STMicroelectronics	STMicroelectronics	STMicroelectronics
Gate Charge (Qg) (Max) @ Vgs	25 nC @ 10 V	25 nC @ 10 V	28 nC @ 5 V	18 nC @ 5 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	175°C (TJ)	-65°C ~ 175°C (TJ)
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Current - Continuous Drain (Id) @ 25°C	30A (Tc)	30A (Tc)	24A (Tc)	30A (Tc)
Vgs(th) (Max) @ Id	2.5V @ 250µA	2.5V @ 250µA	1V @ 250µA	2.5V @ 250µA
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-251-3 Short Leads, IPak, TO-251AA	TO-252-3, DPak (2 Leads + Tab), SC-63
Input Capacitance (Ciss) (Max) @ Vds	1562 pF @ 25 V	720 pF @ 25 V	1670 pF @ 25 V	830 pF @ 25 V
FET Type	N-Channel	N-Channel	P-Channel	N-Channel
Power Dissipation (Max)	55W (Tc)	50W (Tc)	70W (Tc)	50W (Tc)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	5V, 10V	5V, 10V	4.5V, 10V
Supplier Device Package	TO-252 (DPAK)	DPAK	I-PAK	DPAK
FET Feature	-	-	-	-
Rds On (Max) @ Id, Vgs	29mOhm @ 15A, 10V	30mOhm @ 15A, 10V	28mOhm @ 12A, 10V	25mOhm @ 15A, 10V
Drain to Source Voltage (Vdss)	60 V	40 V	30 V	30 V
Series	UMW	STripFET™ II	STripFET™ II	STripFET™ II
Vgs (Max)	±20V	±20V	±16V	±20V

STD30NF06L Datasheet PDF

Download STD30NF06L pdf datasheets and UMW documentation for STD30NF06L - UMW.

Datasheets

STD30NF06.pdf

Customers Also Interested in

Recommended Products



STD30NF04LT

STMicroelectronics
MOSFET N-CH 40V 30A DPAK



STD30PF03L-1

STMicroelectronics
MOSFET P-CH 30V 24A IPAK



STD30PF03L-1 MOS

STMicroelectronics



STD30NF03L

STMicroelectronics



STD30NF03LT4

STMicroelectronics
MOSFET N-CH 30V 30A DPAK



STD30NF03L-1

STMicroelectronics



STD30PF03L
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STD30NF04LT4
STMicroelectronics



STD30NF06LT4
STMicroelectronics
MOSFET N-CH 60V 35A DPAK



STD30NF06T4
STMicroelectronics
MOSFET N-CH 60V 28A DPAK



STD30NF03LT4 MOS
STMicroelectronics



STD30PF03LT4 MOS
STMicroelectronics



STD30NF04LT4G
STMicroelectronics



STD30NF06-1
STMicroelectronics



STD30NF03L-1 MOS



STD30PF03LT4
STMicroelectronics
MOSFET P-CH 30V 24A DPAK



STD30NF06
STMicroelectronics
MOSFET N-CH 60V 28A DPAK



STD30NF06T4 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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 Fast Sourcing & Delivery

Contact us if you have any questions.

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Certifications & Memberships



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