



STL18N60M2

Manufacturer Part Number	STL18N60M2	 life.augmented	Get a Quote
Manufacturer	STMicroelectronics		
Allelco Part Number	32D-STL18N60M2		
ECAD Model	 PCB Symbol, Footprint & 3D Mode		
Parts Description	MOSFET N-CH 600V 9A POWERFLAT HV		
Package	8-PowerVDFN		
Data sheet	STL18N60M2.pdf		
RoHs Status	 ROHS3 Compliant		

STL18N60M2 - STMicroelectronics.New Original in Stock. Download Linear Technology STL18N60M2 datasheet/specifications on AllelcoElec.com.

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Specifications





STL18N60M2 Tech Specifications

STL18N60M2 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	150°C (TJ)
Vgs(th) (Max) @ Id	4V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±25V	Input Capacitance (Ciss) (Max) @ Vds	791 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	21.5 nC @ 10 V
Supplier Device Package	PowerFlat™ (5x6) HV	FET Type	N-Channel
Series	MDmesh™ II Plus	FET Feature	-
Rds On (Max) @ Id, Vgs	308mOhm @ 4.5A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	57W (Tc)	Drain to Source Voltage (Vdss)	600 V
Package / Case	8-PowerVDFN	Current - Continuous Drain (Id) @ 25°C	9A (Tc)
Package	Tape & Reel (TR)	Base Product Number	STL18

Parts with Similar Specifications


The three parts on the right have similar specifications to STMicroelectronics STL18N60M2

Product Attribute	 NO PICTURE	 life.augmented	 life.augmented	 life.augmented
Part Number	STL18N60M2	STL20NM20N	STL210N4F7AG	STL210N4F7
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Vgs (Max)	±25V	±30V	±20V	±20V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Drain to Source Voltage (Vdss)	600 V	200 V	40 V	40 V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Current - Continuous Drain (Id) @ 25°C	9A (Tc)	20A (Tc)	120A (Tc)	120A (Tc)
Vgs(th) (Max) @ Id	4V @ 250µA	5V @ 250µA	4V @ 250µA	4V @ 250µA
Operating Temperature	150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
FET Feature	-	-	-	-
Package / Case	8-PowerVDFN	8-PowerVDFN	8-PowerVDFN	8-PowerVDFN
Input Capacitance (Ciss) (Max) @ Vds	791 pF @ 100 V	800 pF @ 25 V	3600 pF @ 25 V	3600 pF @ 25 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Base Product Number	STL18	STL20	STL210	STL210
Gate Charge (Qg) (Max) @ Vgs	21.5 nC @ 10 V	50 nC @ 10 V	43 nC @ 10 V	43 nC @ 10 V
Series	MDmesh™ II Plus	MDmesh™ II	Automotive, AEC-Q101, STripFET™ F7	STripFET F7
Supplier Device Package	PowerFlat™ (5x6) HV	PowerFlat™ (5x6)	PowerFlat™ (5x6)	PowerFlat™ (5x6)
Power Dissipation (Max)	57W (Tc)	80W (Tc)	150W (Tc)	150W (Tc)
Rds On (Max) @ Id, Vgs	308mOhm @ 4.5A, 10V	105mOhm @ 10A, 10V	1.6mOhm @ 16A, 10V	1.6mOhm @ 16A, 10V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Bulk


STL18N60M2 Datasheet PDF

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Datasheets

 STL18N60M2.pdf
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PCN Packaging









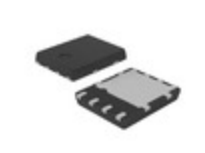


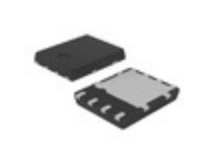


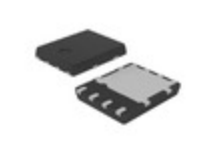


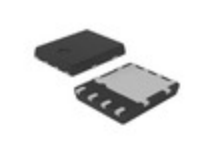
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PCN Obsolescence/ EOL

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STL20NM20N STMicroelectronics MOSFET N-CH 200V 20A POWERFLAT	STL210N4F7AG STMicroelectronics MOSFET N-CH 40V 120A POWERFLAT	STL20DNF06LAG STMicroelectronics MOSFET 2NCH 60V 20A POWERFLAT	STL210N4F7 STMicroelectronics DISCRETE	STL160N3LLH6 STMicroelectronics MOSFET N-CH 30V 160A POWERFLAT	STL21N65M5 STMicroelectronics MOSFET N-CH 650V 17A PWRFLAT HV
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STL17N65M5 STMicroelectronics MOSFET N-CH 650V 1.8A POWERFLAT	STL20DN10F7 STMicroelectronics MOSFET 2N-CH 100V 20A PWRFLAT56	STL160NS3LLH7 STMicroelectronics MOSFET N-CH 30V 160A POWERFLAT	STL220N3LLH7 STMicroelectronics MOSFET N-CH 30V 220A POWERFLAT	STL17N3LLH6 STMicroelectronics MOSFET N-CH 30V 17A POWERFLAT	STL18N65M5 STMicroelectronics MOSFET N-CH 650V 15A POWERFLAT
 life.augmented	 life.augmented		 life.augmented	 life.augmented	
STL16N65M5 STMicroelectronics MOSFET N-CH 650V 12A PWRFLAT HV	STL160N4F7 STMicroelectronics MOSFET N-CH 40V 120A POWERFLAT	STL16N65M2 STMicroelectronics MOSFET N-CH 650V 7.5A POWERFLAT	STL18NM60N STMicroelectronics MOSFET N-CH 600V 6A POWERFLAT	STL20N6F7 STMicroelectronics MOSFET N-CH 60V 100A POWERFLAT	STL16N1VH5 STMicroelectronics MOSFET N-CH 12V 16A POWERFLAT

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


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Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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