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See specifications for product details.



STF7NM60N

Manufacturer Part Number	STF7NM60N
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STF7NM60N
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 600V 5A TO220FP
Package	TO-220-5 Full Pack
Data sheet	STx7NM60N.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STF7NM60N - STMicroelectronics.New Original in Stock. Download Linear Technology STF7NM60N datasheet/specifications on AllelcoElec.com.
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Specifications

STF7NM60N Tech Specifications

STF7NM60N - 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	Through Hole
Vgs (Max)	±25V	Input Capacitance (Ciss) (Max) @ Vds	363 pF @ 50 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	14 nC @ 10 V
Supplier Device Package	TO-220FP	FET Type	N-Channel
Series	MDmesh™ II	FET Feature	-
Rds On (Max) @ Id, Vgs	900mOhm @ 2.5A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	20W (Tc)	Drain to Source Voltage (Vdss)	600 V
Package / Case	TO-220-5 Full Pack	Current - Continuous Drain (Id) @ 25°C	5A (Tc)
Package	Tube	Base Product Number	STF7

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STF7NM60N

Product Attribute				
Part Number	STF7NM60N	STF7NM80	STF7N80K5	STF80N10F7
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package	Tube	Tube	Tube	Tube
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Supplier Device Package	TO-220FP	TO-220FP	TO-220FP	TO-220FP
Current - Continuous Drain (Id) @ 25°C	5A (Tc)	6.5A (Tc)	6A (Tc)	40A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
FET Feature	-	-	-	-
Rds On (Max) @ Id, Vgs	900mOhm @ 2.5A, 10V	1.050hm @ 3.25A, 10V	1.20hm @ 3A, 10V	10mOhm @ 40A, 10V
Vgs(th) (Max) @ Id	4V @ 250µA	5V @ 250µA	5V @ 100µA	4.5V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	14 nC @ 10 V	18 nC @ 10 V	13.4 nC @ 10 V	45 nC @ 10 V
Package / Case	TO-220-5 Full Pack	TO-220-3 Full Pack	TO-220-3 Full Pack	TO-220-3 Full Pack
Power Dissipation (Max)	20W (Tc)	25W (Tc)	25W (Tc)	30W (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Vgs (Max)	±25V	±30V	±30V	±20V
Input Capacitance (Ciss) (Max) @ Vds	363 pF @ 50 V	620 pF @ 25 V	360 pF @ 100 V	3100 pF @ 50 V
Base Product Number	STF7	STF7	STF7	STF80N
Drain to Source Voltage (Vdss)	600 V	800 V	800 V	100 V
Operating Temperature	150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)
Series	MDmesh™ II	MDmesh™	SuperMESH5™	DeepGATE™, STripFET™ VII

STF7NM60N Datasheet PDF

Download STF7NM60N pdf datasheets and STMicroelectronics documentation for STF7NM60N - STMicroelectronics.

Datasheets



















[STx7NM60N.pdf](#)

PCN Assembly/Origin

[Assembly Location Expansion 05/Mar/2014.pdf](#)

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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 -

-  Efficient Supply Management
-  Cost-Saving Procurement
-  Fast Sourcing & Delivery

Contact us if you have any questions.

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