



FCH47N60F-F133

Manufacturer Part Number	FCH47N60F-F133
Manufacturer	onsemi
Allelco Part Number	32D-FCH47N60F-F133
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 600V 47A TO247-3
Package	TO-247-3
Data sheet	FCH47N60F_F133.pdf
RoHs Status	ROHS3 Compliant



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FCH47N60F-F133 - onsemi.New Original in Stock. Download Linear Technology FCH47N60F-F133 datasheet/specifications on AllelcoElec.com.

Request a quote for FCH47N60F-F133, please send us email: info@allelco.com

Specifications

FCH47N60F-F133 Tech Specifications

FCH47N60F-F133 - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	5V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	8000 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	270 nC @ 10 V
Supplier Device Package	TO-247-3	FET Type	N-Channel
Series	SuperFET™	FET Feature	-
Rds On (Max) @ Id, Vgs	70mOhm @ 23.5A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	417W (Tc)	Drain to Source Voltage (Vdss)	600 V
Package / Case	TO-247-3	Current - Continuous Drain (Id) @ 25°C	47A (Tc)
Package	Tube	Base Product Number	FCH47N60

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FCH47N60F-F133

Product Attribute	NO PICTURE			
Part Number	FCH47N60F-F133	FCH76N60N	FCH47N60	FCH47N60-F133
Manufacturer	onsemi	Fairchild Semiconductor	Fairchild Semiconductor	onsemi
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
FET Feature	-	-	-	-
Vgs (Max)	±30V	±30V	±30V	±30V
Supplier Device Package	TO-247-3	TO-247	TO-247	TO-247-3
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Vgs(th) (Max) @ Id	5V @ 250µA	4V @ 250µA	5V @ 250µA	5V @ 250µA
Base Product Number	FCH47N60	-	-	FCH47N60
Package	Tube	Bulk	Tube	Tube
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Current - Continuous Drain (Id) @ 25°C	47A (Tc)	76A (Tc)	47A (Tc)	47A (Tc)
Rds On (Max) @ Id, Vgs	70mOhm @ 23.5A, 10V	36mOhm @ 38A, 10V	70mOhm @ 23.5A, 10V	70mOhm @ 23.5A, 10V
Power Dissipation (Max)	417W (Tc)	543W (Tc)	417W (Tc)	417W (Tc)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Gate Charge (Qg) (Max) @ Vgs	270 nC @ 10 V	285 nC @ 10 V	270 nC @ 10 V	270 nC @ 10 V
Drain to Source Voltage (Vdss)	600 V	600 V	600 V	600 V
Package / Case	TO-247-3	TO-247-3	TO-247-3	TO-247-3
Input Capacitance (Ciss) (Max) @ Vds	8000 pF @ 25 V	12385 pF @ 100 V	8000 pF @ 25 V	8000 F @ 25 V
Series	SuperFET™	SupreMOS™	SuperFET™	SuperFET® II
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)

FCH47N60F-F133 Datasheet PDF

Download FCH47N60F-F133 pdf datasheets and onsemi documentation for FCH47N60F-F133 - onsemi.

Datasheets

[FCH47N60F_F133.pdf](#)

Environmental Information

[onsemi RoHS.pdf](#)

PCN Design/Specification

Logo 17/Aug/2017.pdf

Dimension/Color Change 24/Feb/2021.pdf

Mult Dev 02/May2023.pdf

PCN Packaging

Mult Devices 24/Oct/2017.pdf

Packing quantity increase 28/Dec/2020.pdf

PCN Part Number



















Mult Device Part Number Chg 30/May/2017.pdf

PCN Assembly/Origin

AFGHLx/FCHx/FGHx/HGTGx/NDSHx
29/Jun/2022.pdf

Customers Also Interested in

Recommended Products

 FCH35N60C3 Fairchild (onsemi)	 FCH47N60_F085 Fairchild (onsemi)	 FCH3216F-1R0K	 FCH76N60N Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 7	 FCH47N60 Fairchild Semiconductor MOSFET N-CH 600V 47A TO247-3	 FCH76N60N 94N65 MOS Fairchild (onsemi)
 FCH30U15 NIEC	 FCH47N60-F133 onsemi MOSFET N-CH 600V 47A TO-247	 FCH47N60F onsemi MOSFET N-CH 600V 47A TO247-3	 FCH47N60NF onsemi MOSFET N-CH 600V 45.8A TO247-3	 FCH35N60 Fairchild Semiconductor MOSFET N-CH 600V 35A TO247-3	 FCH47N60 onsemi MOSFET N-CH 600V 47A TO247-3
 FCH47N60N onsemi MOSFET N-CH 600V 47A TO247-3	 FCH47N60F_F085 Fairchild (onsemi)	 FCH47N60N Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 4	 FCH76N60N onsemi MOSFET N-CH 600V 76A TO247-3	 FCH35N60 onsemi MOSFET N-CH 600V 35A TO247-3	 FCH3216F-R47M Chilisin Electronics

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
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Contact us if you have any questions.

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Certifications & Memberships



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