





# FCH041N65EFL4

Manufacturer Part Number	<b>FCH041N65EFL4</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-FCH041N65EFL4
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 650V 76A TO247
Package	TO-247-4
Data sheet	<a href="#">FCH041N65EFL4 Datasheet.pdf</a>
RoHs Status	 ROHS3 Compliant



**Get a Quote**

FCH041N65EFL4 - onsemi.New Original in Stock. Download Linear Technology FCH041N65EFL4 datasheet/specifications on AllelcoElec.com.  
Request a quote for FCH041N65EFL4, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications





FCH041N65EFL4 Tech Specifications

FCH041N65EFL4 - 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 @ 7.6mA	Mounting Type	Through Hole
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	12560 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	298 nC @ 10 V
Supplier Device Package	TO-247-4	FET Type	N-Channel
Series	FRFET®, SuperFET® II	FET Feature	-
Rds On (Max) @ Id, Vgs	41mOhm @ 38A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	595W (Tc)	Drain to Source Voltage (Vdss)	650 V
Package / Case	TO-247-4	Current - Continuous Drain (Id) @ 25°C	76A (Tc)
Package	Tube	Base Product Number	FCH041

## Parts with Similar Specifications


The three parts on the right have similar specifications to onsemi FCH041N65EFL4

Product Attribute	 NO PICTURE			
Part Number	FCH041N65EFL4	FCH041N65F-F155	FCH040N65S3-F155	FCH041N65EFLN4
Manufacturer	onsemi	onsemi	onsemi	onsemi
Power Dissipation (Max)	595W (Tc)	595W (Tc)	417W (Tc)	595W (Tc)
Current - Continuous Drain (Id) @ 25°C	76A (Tc)	76A (Tc)	65A (Tc)	76A (Tc)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C	-55°C ~ 150°C (TJ)
Input Capacitance (Ciss) (Max) @ Vds	12560 pF @ 100 V	13020 pF @ 100 V	4740 pF @ 400 V	12560 pF @ 100 V
Base Product Number	FCH041	FCH041	FCH040	FCH041
Supplier Device Package	TO-247-4	TO-247-3	TO-247-3	TO-247-4
Series	FRFET®, SuperFET® II	FRFET®, SuperFET® II	SuperFET® III	FRFET®, SuperFET® II
Gate Charge (Qg) (Max) @ Vgs	298 nC @ 10 V	294 nC @ 10 V	136 nC @ 10 V	298 nC @ 10 V
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Vgs(th) (Max) @ Id	5V @ 7.6mA	5V @ 7.6mA	4.5V @ 6.5mA	5V @ 7.6mA
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Vgs (Max)	±20V	±20V	±30V	±20V
Rds On (Max) @ Id, Vgs	41mOhm @ 38A, 10V	41mOhm @ 38A, 10V	40mOhm @ 32.5A, 10V	41mOhm @ 38A, 10V
Drain to Source Voltage (Vdss)	650 V	650 V	650 V	650 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Package	Tube	Tube	Tube	Tube
Package / Case	TO-247-4	TO-247-3	TO-247-3	TO-247-4
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Feature	-	-	-	-


## FCH041N65EFL4 Datasheet PDF


Download FCH041N65EFL4 pdf datasheets and onsemi documentation for FCH041N65EFL4 - onsemi.

### Datasheets


[FCH041N65EFL4 Datasheet.pdf](#)

### Environmental Information


[onsemi REACH.pdf](#)


[onsemi RoHS.pdf](#)

### PCN Design/Specification

Logo 17/Aug/2017.pdf

Dimension/Color Change 24/Feb/2021.pdf

### PCN Packaging

Mult Devices 24/Oct/2017.pdf










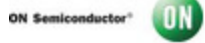





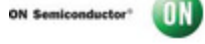





Packing quantity increase 28/Dec/2020.pdf

### PCN Assembly/Origin

Mult Dev Assembly/DS Chg 6/Jan/2019.pdf

## Customers Also Interested in

### Recommended Products

 <b>FCH041N65F</b> Fairchild Semiconductor N-CHANNEL, MOSFET	 <b>FCH041N65F-F155</b> onsemi MOSFET N-CH 650V 76A TO247	 <b>FCH040N65S3-F155</b> onsemi MOSFET N-CH 650V 65A TO247-3	 <b>FCH041N65EFLN4</b> onsemi MOSFET N-CH 650V 76A TO247-4	 <b>FCH043N60</b> Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 7	 <b>FCH060N80-F155</b> Fairchild Semiconductor MOSFET N-CH 800V 56A TO247
 <b>FCH041N65EFL4</b> Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, N	 <b>FCH041N60E</b> Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 7	 <b>FCH041N65SF MOS</b> Fairchild (onsemi)	 <b>FCH041N60E</b> onsemi MOSFET N-CH 600V 77A TO247-3	 <b>FCH041N60F MOS</b> Fairchild (onsemi)	 <b>FCH041N65SF</b> Fairchild (onsemi)
 NO PICTURE	 <b>FCH025N65S3</b> FSC	 <b>FCH041N65EF</b> Fairchild Semiconductor N-CHANNEL, MOSFET	 <b>FCH041N60</b> Fairchild (onsemi)	 <b>FCH041N60F-F085</b> onsemi MOSFET N-CH 600V 76A TO247-3	 <b>FCH043N60</b> onsemi MOSFET N-CH 600V 75A TO247-3
	 <b>FCH041N60</b> Fairchild (onsemi)		 <b>FCH041N60F</b> onsemi MOSFET N-CH 600V 76A TO247-3		 <b>FCH041N60F</b> onsemi MOSFET N-CH 600V 76A TO247-3

## 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.

 Phone +00852 9146 4856	 Email info@allelco.com
--	--

### Certifications & Memberships



View More

