





FCH110N65F-F155

Manufacturer Part Number	FCH110N65F-F155
Manufacturer	onsemi
Allelco Part Number	32D-FCH110N65F-F155
ECAD Model	 Request Free CAD Models
Parts Description	MOSFET N-CH 650V 35A TO247
Package	TO-247-3
Data sheet	FCH110N65F_F155.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

FCH110N65F-F155 - onsemi.New Original in Stock. Download Linear Technology FCH110N65F-F155 datasheet/specifications on AllelcoElec.com.

Request a quote for FCH110N65F-F155, please send us email: info@allelco.com

Specifications





FCH110N65F-F155 Tech Specifications

FCH110N65F-F155 - 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 @ 3.5mA	Mounting Type	Through Hole
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	4895 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	145 nC @ 10 V
Supplier Device Package	TO-247-3	FET Type	N-Channel
Series	FRFET®, SuperFET® II	FET Feature	-
Rds On (Max) @ Id, Vgs	110mOhm @ 17.5A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	357W (Tc)	Drain to Source Voltage (Vdss)	650 V
Package / Case	TO-247-3	Current - Continuous Drain (Id) @ 25°C	35A (Tc)
Package	Tube	Base Product Number	FCH110

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FCH110N65F-F155

Product Attribute	 NO PICTURE			
Part Number	FCH110N65F-F155	FCH165N60E	FCH150N65F-F155	FCH130N60
Manufacturer	onsemi	onsemi	Fairchild Semiconductor	Fairchild Semiconductor
Gate Charge (Qg) (Max) @ Vgs	145 nC @ 10 V	75 nC @ 10 V	94 nC @ 10 V	70 nC @ 10 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Power Dissipation (Max)	357W (Tc)	227W (Tc)	298W (Tc)	278W (Tc)
Vgs(th) (Max) @ Id	5V @ 3.5mA	3.5V @ 250µA	5V @ 2.4mA	3.5V @ 250µA
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Package	Tube	Tube	Bulk	Bulk
Series	FRFET®, SuperFET® II	SuperFET® II	SuperFET® II	SuperFET® II
Base Product Number	FCH110	FCH165	FCH150	-
Rds On (Max) @ Id, Vgs	110mOhm @ 17.5A, 10V	165mOhm @ 11.5A, 10V	150mOhm @ 12A, 10V	130mOhm @ 14A, 10V
Drain to Source Voltage (Vdss)	650 V	600 V	650 V	600 V
Input Capacitance (Ciss) (Max) @ Vds	4895 pF @ 100 V	2434 pF @ 380 V	3737 pF @ 100 V	3590 pF @ 380 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Vgs (Max)	±20V	±20V	±20V	±20V
FET Feature	-	-	-	-
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Supplier Device Package	TO-247-3	TO-247-3	TO-247 Long Leads	TO-247
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Current - Continuous Drain (Id) @ 25°C	35A (Tc)	23A (Tc)	24A (Tc)	28A (Tc)
Package / Case	TO-247-3	TO-247-3	TO-247-3	TO-247-3


FCH110N65F-F155 Datasheet PDF

Download FCH110N65F-F155 pdf datasheets and onsemi documentation for FCH110N65F-F155 - onsemi.

Datasheets


FCH110N65F_F155.pdf

Environmental Information


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 Part Number



















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

PCN Assembly/Origin

Mold Compound Change 17/Dec/2021.pdf

Customers Also Interested in

Recommended Products

 FCH165N60E onsemi MOSFET N-CH 600V 23A TO247-3	 FCH150N65F-F155 Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, N	 FCH10A40 NIEC	 FCH10A20 KYOCERA AVX DIODE SCHOT 200V 10A TO220 F	 FCH130N60 Fairchild Semiconductor MOSFET N-CH 600V 28A TO247-3	 FCH150N65F Fairchild (onsemi)
 FCH10A10 NIEC	 FCH10AU10 NIEC	 FCH10U10 NIEC	 FCH10A15 KYOCERA AVX DIODE SCHOT 150V 10A TO220 F	 FCH110N65F Fairchild (onsemi)	 FCH125N60E Fairchild Semiconductor MOSFET N-CH 600V 29A TO247-3
 FCH125N60E onsemi MOSFET N-CH 600V 29A TO247-3	 FCH130N60 onsemi MOSFET N-CH 600V 28A TO247-3	 FCH10U15 NIEC	 FCH150N65F-F155 onsemi MOSFET N-CH 650V 24A TO247	 FCH10A06 NIEC	 FCH110N65F-F155 Fairchild Semiconductor MOSFET N-CH 650V 35A TO247

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

