



Image may be representation.
See specifications for product details.



IRFB4310ZPBF

Manufacturer Part Number	IRFB4310ZPBF
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IRFB4310ZPBF
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 100V 120A TO220AB
Package	TO-220-3
Data sheet	IRFB4310ZPBF.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

IRFB4310ZPBF - Infineon Technologies.New Original in Stock. Download Linear Technology IRFB4310ZPBF datasheet/specifications on AllelcoElec.com.
Request a quote for IRFB4310ZPBF, please send us email: info@allelco.com

Specifications

IRFB4310ZPBF Tech Specifications

IRFB4310ZPBF - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Operating Temperature	-55°C ~ 175°C (TJ)
Vgs(th) (Max) @ Id	4V @ 150µA	Mounting Type	Through Hole
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	6860 pF @ 50 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	170 nC @ 10 V
Supplier Device Package	TO-220AB	FET Type	N-Channel
Series	HEXFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	6mOhm @ 75A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	250W (Tc)	Drain to Source Voltage (Vdss)	100 V
Package / Case	TO-220-3	Current - Continuous Drain (Id) @ 25°C	120A (Tc)
Package	Tube	Base Product Number	IRFB4310

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IRFB4310ZPBF

Product Attribute				
Part Number	IRFB4310ZPBF	IRFB4332PBF	IRFB4321GPBF	IRFB4310PBF
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Gate Charge (Qg) (Max) @ Vgs	170 nC @ 10 V	150 nC @ 10 V	110 nC @ 10 V	250 nC @ 10 V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Feature	-	-	-	-
Input Capacitance (Ciss) (Max) @ Vds	6860 pF @ 50 V	5860 pF @ 25 V	4460 pF @ 25 V	7670 pF @ 50 V
Supplier Device Package	TO-220AB	TO-220AB	TO-220AB	TO-220AB
Power Dissipation (Max)	250W (Tc)	390W (Tc)	330W (Tc)	300W (Tc)
Base Product Number	IRFB4310	IRFB4332	-	IRFB4310
Series	HEXFET®	HEXFET®	HEXFET®	HEXFET®
Vgs(th) (Max) @ Id	4V @ 150µA	5V @ 250µA	5V @ 250µA	4V @ 250µA
Operating Temperature	-55°C ~ 175°C (TJ)	-40°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Drain to Source Voltage (Vdss)	100 V	250 V	150 V	100 V
Package	Tube	Tube	Tube	Tube
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Package / Case	TO-220-3	TO-220-3	TO-220-3	TO-220-3
Vgs (Max)	±20V	±30V	±30V	±20V
Current - Continuous Drain (Id) @ 25°C	120A (Tc)	60A (Tc)	83A (Tc)	130A (Tc)
Rds On (Max) @ Id, Vgs	6mOhm @ 75A, 10V	33mOhm @ 35A, 10V	15mOhm @ 33A, 10V	7mOhm @ 75A, 10V

IRFB4310ZPBF Datasheet PDF

Download IRFB4310ZPBF pdf datasheets and Infineon Technologies documentation for IRFB4310ZPBF - Infineon Technologies.

Other Related Documents

IR Part Numbering System.pdf

PCN Other

Tube Pkg Qty Standardization 18/Aug/2016.pdf

PCN Design/Specification

Mult Dev Label Chgs Aug/2020.pdf

Mult Dev Lot Chgs 25/May/2021.pdf

PCN Packaging

Barcode Label Update 24/Feb/2017.pdf

PCN Assembly/Origin

Mult Dev A/T Add 7/Feb/2022.pdf

Customers Also Interested in

Recommended Products

IRFB4332PBF Infineon Technologies MOSFET N-CH 250V 60A TO220AB	IRFB4310 MOS IR	IRFB4321G IR	IRFB4321GPBF Infineon Technologies MOSFET N-CH 150V 83A TO220AB	IRFB4310PBF Infineon Technologies MOSFET N-CH 100V 130A TO220AB	IRFB4310ZGPBF Infineon Technologies MOSFET N-CH 100V 120A TO220AB
IRFB42N20DPBF International Rectifier CHANNEL	IRFB4332 IR	IRFB4310ZPBF MOS IR	IRFB4321PBF Infineon Technologies MOSFET N-CH 150V 85A TO220AB	IRFB42N20D Infineon Technologies MOSFET N-CH 200V 44A TO220AB	IRFB4321 IR
IRFB4321 MOS IR	IRFB4310ZG IR	IRFB4310PBF. IR	IRFB4310G IR	IRFB4310 IR/VISHAY	IRFB4310Z IR

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

