



Image may be representation.
See specifications for product details.



IRFB7434PBF

Manufacturer Part Number	IRFB7434PBF
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IRFB7434PBF
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 40V 195A TO220AB
Package	TO-220-3
Data sheet	IRFB7434PBF.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

IRFB7434PBF - Infineon Technologies.New Original in Stock. Download Linear Technology IRFB7434PBF datasheet/specifications on AllelcoElec.com.
Request a quote for IRFB7434PBF, please send us email: info@allelco.com

Specifications

IRFB7434PBF Tech Specifications

IRFB7434PBF - 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	3.9V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	10820 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	324 nC @ 10 V
Supplier Device Package	TO-220AB	FET Type	N-Channel
Series	HEXFET®, StrongIRFET™	FET Feature	-
Rds On (Max) @ Id, Vgs	1.6mOhm @ 100A, 10V	Drive Voltage (Max Rds On, Min Rds On)	6V, 10V
Power Dissipation (Max)	294W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	TO-220-3	Current - Continuous Drain (Id) @ 25°C	195A (Tc)
Package	Tube	Base Product Number	IRFB7434

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IRFB7434PBF

Product Attribute				
Part Number	IRFB7434PBF	IRFB7430PBF	IRFB7440GPBF	IRFB7437PBF
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Package	Tube	Tube	Tube	Tube
Gate Charge (Qg) (Max) @ Vgs	324 nC @ 10 V	460 nC @ 10 V	135 nC @ 10 V	225 nC @ 10 V
Drain to Source Voltage (Vdss)	40 V	40 V	40 V	40 V
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Power Dissipation (Max)	294W (Tc)	375W (Tc)	208W (Tc)	230W (Tc)
Base Product Number	IRFB7434	IRFB7430	IRFB7440	IRFB7437
Series	HEXFET®, StrongIRFET™	HEXFET®, StrongIRFET™	HEXFET®, StrongIRFET™	HEXFET®, StrongIRFET™
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Package / Case	TO-220-3	TO-220-3	TO-220-3	TO-220-3
Drive Voltage (Max Rds On, Min Rds On)	6V, 10V	6V, 10V	6V, 10V	6V, 10V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Current - Continuous Drain (Id) @ 25°C	195A (Tc)	195A (Tc)	120A (Tc)	195A (Tc)
Supplier Device Package	TO-220AB	TO-220AB	TO-220AB	TO-220AB
Rds On (Max) @ Id, Vgs	1.6mOhm @ 100A, 10V	1.3mOhm @ 100A, 10V	2.5mOhm @ 100A, 10V	2mOhm @ 100A, 10V
Input Capacitance (Ciss) (Max) @ Vds	10820 pF @ 25 V	14240 pF @ 25 V	4730 pF @ 25 V	7330 pF @ 25 V
Vgs (Max)	±20V	±20V	±20V	±20V
FET Feature	-	-	-	-
Vgs(th) (Max) @ Id	3.9V @ 250µA	3.9V @ 250µA	3.9V @ 100µA	3.9V @ 150µA

IRFB7434PBF Datasheet PDF

Download IRFB7434PBF pdf datasheets and Infineon Technologies documentation for IRFB7434PBF - 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

Mult Dev Label Chgs 18/Feb/2020.pdf

Tube Label Chgs 20/May/2020.pdf

PCN Assembly/Origin

Mosfet TO220 Alt Assembly Site Add 28/Aug/2017.pdf

Customers Also Interested in

Recommended Products



IRFB7430PBF

Infineon Technologies
MOSFET N CH 40V 195A TO220



NO PICTURE

IRFB61N15DPBF MOS

IR



NO PICTURE

IRFB74227PBF

IR



IRFB7440PBF MOS

Cypress Semiconductor
(Infineon Technologies)



IRFB7440GPBF

Infineon Technologies
MOSFET N CH 40V 120A TO220AB



IRFB7437PBF

Infineon Technologies
MOSFET N-CH 40V 195A TO220AB



IRFB7336PBF

Cypress Semiconductor
(Infineon Technologies)



IRFB7434

Cypress Semiconductor
(Infineon Technologies)



IRFB7347PBF

Cypress Semiconductor
(Infineon Technologies)



IRFB7437

Cypress Semiconductor
(Infineon Technologies)



IRFB7336

Cypress Semiconductor
(Infineon Technologies)



IRFB7347

Cypress Semiconductor
(Infineon Technologies)



IRFB7446GPBF

International Rectifier
IRFB7446 - POWER MOSFET



IRFB7446PBF

Infineon Technologies
MOSFET N-CH 40V 120A TO220AB



NO PICTURE

IRFB7430

IR



NO PICTURE

IRFB7374

IR



NO PICTURE

IRFB7446PBF MOS

IR



IRFB7440PBF

Infineon Technologies
MOSFET N-CH 40V 120A TO220AB

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



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