



Image may be representation.
See specifications for product details.



IRL7833PBF

Manufacturer Part Number	IRL7833PBF
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IRL7833PBF
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 30V 150A TO220AB
Package	TO-220-3
Data sheet	IRL7833PBF.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

IRL7833PBF - Infineon Technologies. New Original in Stock. Download Linear Technology IRL7833PBF datasheet/specifications on AllelcoElec.com.
Request a quote for IRL7833PBF, please send us email: info@allelco.com

Specifications

IRL7833PBF Tech Specifications

IRL7833PBF - 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	2.3V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	4170 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	47 nC @ 4.5 V
Supplier Device Package	TO-220AB	FET Type	N-Channel
Series	HEXFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	3.8mOhm @ 38A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	140W (Tc)	Drain to Source Voltage (Vdss)	30 V
Package / Case	TO-220-3	Current - Continuous Drain (Id) @ 25°C	150A (Tc)
Package	Tube	Base Product Number	IRL7833

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IRL7833PBF

Product Attribute				
Part Number	IRL7833PBF	IRL7833S	IRL8113PBF	IRL7472L1TRPBF
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Drain to Source Voltage (Vdss)	30 V	30 V	30 V	40 V
Input Capacitance (Ciss) (Max) @ Vds	4170 pF @ 15 V	4170 pF @ 15 V	2840 pF @ 15 V	20082 pF @ 25 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Vgs (Max)	±20V	±20V	±20V	±20V
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Current - Continuous Drain (Id) @ 25°C	150A (Tc)	150A (Tc)	105A (Tc)	375A (Tc)
Power Dissipation (Max)	140W (Tc)	140W (Tc)	110W (Tc)	3.8W (Ta), 341W (Tc)
Series	HEXFET®	HEXFET®	HEXFET®	StrongIRFET™
Vgs(th) (Max) @ Id	2.3V @ 250µA	2.3V @ 250µA	2.25V @ 250µA	2.5V @ 250µA
Mounting Type	Through Hole	Surface Mount	Through Hole	Surface Mount
Rds On (Max) @ Id, Vgs	3.8mOhm @ 38A, 10V	3.8mOhm @ 38A, 10V	6mOhm @ 21A, 10V	0.59mOhm @ 195A, 10V
Gate Charge (Qg) (Max) @ Vgs	47 nC @ 4.5 V	47 nC @ 4.5 V	35 nC @ 4.5 V	330 nC @ 4.5 V
Base Product Number	IRL7833	-	-	IRL7472
Package	Tube	Tube	Tube	Tape & Reel (TR)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
FET Feature	-	-	-	-
Package / Case	TO-220-3	TO-263-3, D²Pak (2 Leads + Tab), TO-263AB	TO-220-3	DirectFET™ Isometric L8
Supplier Device Package	TO-220AB	D2PAK	TO-220AB	DirectFET™ Isometric L8

IRL7833PBF Datasheet PDF

Download IRL7833PBF pdf datasheets and Infineon Technologies documentation for IRL7833PBF - Infineon Technologies.


Other Related Documents

Part Number Guide.pdf

PCN Assembly/Origin

Mult Dev Wafer Site Chg 18/Dec/2020.pdf

PCN Packaging

 Mult Device Standard Label Chg 29/Sep/2017.pdf

 Tube Label Chgs 20/May/2020.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

Customers Also Interested in

Recommended Products

 IRL7833S Infineon Technologies MOSFET N-CH 30V 150A D2PAK	 IRL7833L IR	 IRL8113PBF Infineon Technologies MOSFET N-CH 30V 105A TO220AB	 IRL80A OSRAM	 IRL7833 MOS IR	 IRL7472L1TRPBF Infineon Technologies MOSFET N-CH 40V 375A DIRECTFET
 IRL7833SPBF Infineon Technologies MOSFET N-CH 30V 150A D2PAK	 IRL7833 IR	 IRL7833STRPBF IR	 IRL7833STRLPBF Infineon Technologies MOSFET N-CH 30V 150A D2PAK	 IRL640STRRPBF Vishay Siliconix MOSFET N-CH 200V 17A D2PAK	 IRL7833SPBF MOS IR
 IRL8113 Infineon Technologies MOSFET N-CH 30V 105A TO220AB	 IRL7833LPBF Infineon Technologies MOSFET N-CH 30V 150A TO262	 IRL640STRLPBF Vishay Siliconix MOSFET N-CH 200V 17A D2PAK	 IRL7486MTRPBF Infineon Technologies MOSFET N-CH 40V 209A DIRECTFET	 IRL80HS120 Infineon Technologies MOSFET N-CH 80V 12.5A 6PQFN	 IRL640SPBF Vishay Siliconix MOSFET N-CH 200V 17A D2PAK

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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