



IRFB7787PBF

Manufacturer Part Number	IRFB7787PBF
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IRFB7787PBF
ECAD Model	Request Free CAD Models
Parts Description	IRFB7787 - 12V-300V N-CHANNEL PO
Package	TO-220-3
Data sheet	IRFB7787PBF.pdf



Get a Quote

IRFB7787PBF - International Rectifier. New Original in Stock. Download Linear Technology IRFB7787PBF datasheet/specifications on AllelcoElec.com.
Request a quote for IRFB7787PBF, please send us email: info@allelco.com

Specifications

IRFB7787PBF Tech Specifications
IRFB7787PBF - International Rectifier 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	3.7V @ 100µA	Mounting Type	Through Hole
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	4020 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	109 nC @ 10 V
Supplier Device Package	TO-220AB	FET Type	N-Channel
Series	HEXFET®, StrongIRFET™	FET Feature	-
Rds On (Max) @ Id, Vgs	8.4mOhm @ 46A, 10V	Drive Voltage (Max Rds On, Min Rds On)	6V, 10V
Power Dissipation (Max)	125W (Tc)	Drain to Source Voltage (Vdss)	75 V
Package / Case	TO-220-3	Current - Continuous Drain (Id) @ 25°C	76A (Tc)
Package	Bulk		

Parts with Similar Specifications

The three parts on the right have similar specifications to International Rectifier IRFB7787PBF

Product Attribute	NO PICTURE			
Part Number	IRFB7787PBF	IRFB9N60A	IRFB812PBF	IRFB7734PBF
Manufacturer	International Rectifier	Vishay Siliconix	Infineon Technologies	Infineon Technologies
Package / Case	TO-220-3	TO-220-3	TO-220-3	TO-220-3
Package	Bulk	Tube	Tube	Tube
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Series	HEXFET®, StrongIRFET™	-	HEXFET®	HEXFET®, StrongIRFET™
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Rds On (Max) @ Id, Vgs	8.4mOhm @ 46A, 10V	750mOhm @ 5.5A, 10V	2.2Ohm @ 2.2A, 10V	3.5mOhm @ 100A, 10V
Current - Continuous Drain (Id) @ 25°C	76A (Tc)	9.2A (Tc)	3.6A (Tc)	183A (Tc)
Drain to Source Voltage (Vdss)	75 V	600 V	500 V	75 V
Power Dissipation (Max)	125W (Tc)	170W (Tc)	78W (Tc)	290W (Tc)
Vgs (Max)	±20V	±30V	±20V	±20V
Supplier Device Package	TO-220AB	TO-220AB	TO-220AB	TO-220AB
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Drive Voltage (Max Rds On, Min Rds On)	6V, 10V	10V	10V	6V, 10V
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)
Gate Charge (Qg) (Max) @ Vgs	109 nC @ 10 V	49 nC @ 10 V	20 nC @ 10 V	270 nC @ 10 V
FET Feature	-	-	-	-
Input Capacitance (Ciss) (Max) @ Vds	4020 pF @ 25 V	1400 pF @ 25 V	810 pF @ 25 V	10150 pF @ 25 V
Vgs(th) (Max) @ Id	3.7V @ 100µA	4V @ 250µA	5V @ 250µA	3.7V @ 250µA

Customers Also Interested in

Recommended Products

IRFB9N60A Vishay Siliconix MOSFET N-CH 600V 9.2A TO220AB	IRFB812PBF Infineon Technologies MOSFET N CH 500V 3.6A TO220AB	IRFB7734PBF Infineon Technologies MOSFET N-CH 75V 183A TO220AB	IRFB7740PBF MOS IR	IRFB7546PBF Infineon Technologies MOSFET N-CH 60V 75A TO220AB	IRFB9N30A Vishay Siliconix MOSFET N-CH 300V 9.3A TO220AB

IRFB7N60C3PBF

IR

**IRFBA1404PPBF**International Rectifier
MOSFET N-CH 40V 206A SUPER-220

NO PICTURE

IRFB7740PBFInfineon Technologies
MOSFET N-CH 75V 87A TO220AB**IRFB9N65APBF**Vishay Siliconix
MOSFET N-CH 650V 8.5A TO220AB

NO PICTURE

IRFB9N65AVishay Siliconix
MOSFET N-CH 650V 8.5A TO220AB**IRFB7740**

IR



NO PICTURE

IRFB7730PBFInfineon Technologies
MOSFET N-CH 75V 195A TO220AB**IRFB812**

IR

IRFB7746PBFInternational Rectifier
MOSFET N-CH 75V 59A TO220AB**IRFB7730PBF MOS**

IR

IRFB9N60APBFVishay Siliconix
MOSFET N-CH 600V 9.2A TO220AB**IRFB7546**

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.



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