



# IRF630PBF

Manufacturer Part Number	<b>IRF630PBF</b>
Manufacturer	<b>Vishay / Siliconix</b>
Allelco Part Number	32D-IRF630PBF
ECAD Model	 Request Free CAD Models
Parts Description	MOSFET N-CH 200V 9A TO220AB
Package	TO-220-3
Data sheet	<b>IRF630.pdf</b>
RoHs Status	 ROHS3 Compliant


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IRF630PBF - Vishay Siliconix. New Original in Stock. Download Linear Technology IRF630PBF datasheet/specifications on AllelcoElec.com.

Request a quote for IRF630PBF, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications





IRF630PBF Tech Specifications

IRF630PBF - Vishay Siliconix technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Vishay / Siliconix	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	4V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	800 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	43 nC @ 10 V
Supplier Device Package	TO-220AB	FET Type	N-Channel
Series	-	FET Feature	-
Rds On (Max) @ Id, Vgs	400mOhm @ 5.4A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	74W (Tc)	Drain to Source Voltage (Vdss)	200 V
Package / Case	TO-220-3	Current - Continuous Drain (Id) @ 25°C	9A (Tc)
Package	Tube	Base Product Number	IRF630

## Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix IRF630PBF

Product Attribute	 NO PICTURE			
Part Number	IRF630PBF	IRF630NSTRR	IRF630SPBF	IRF630STRRPBF
Manufacturer	Vishay Siliconix	Infineon Technologies	Vishay Siliconix	Vishay Siliconix
Gate Charge (Qg) (Max) @ Vgs	43 nC @ 10 V	35 nC @ 10 V	43 nC @ 10 V	43 nC @ 10 V
Drain to Source Voltage (Vdss)	200 V	200 V	200 V	200 V
Base Product Number	IRF630	-	IRF630	IRF630
Series	-	HEXFET®	-	-
Vgs (Max)	±20V	±20V	±20V	±20V
Current - Continuous Drain (Id) @ 25°C	9A (Tc)	9.3A (Tc)	9A (Tc)	9A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Vgs(th) (Max) @ Id	4V @ 250µA	4V @ 250µA	4V @ 250µA	4V @ 250µA
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Input Capacitance (Ciss) (Max) @ Vds	800 pF @ 25 V	575 pF @ 25 V	800 pF @ 25 V	800 pF @ 25 V
Package / Case	TO-220-3	TO-263-3, D²Pak (2 Leads + Tab), TO-263AB	TO-263-3, D²Pak (2 Leads + Tab), TO-263AB	TO-263-3, D²Pak (2 Leads + Tab), TO-263AB
Power Dissipation (Max)	74W (Tc)	82W (Tc)	3W (Ta), 74W (Tc)	3W (Ta), 74W (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Package	Tube	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Mounting Type	Through Hole	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	TO-220AB	D2PAK	D²PAK (TO-263)	D²PAK (TO-263)
FET Feature	-	-	-	-
Rds On (Max) @ Id, Vgs	400mOhm @ 5.4A, 10V	300mOhm @ 5.4A, 10V	400mOhm @ 5.4A, 10V	400mOhm @ 5.4A, 10V


## IRF630PBF Datasheet PDF

Download IRF630PBF pdf datasheets and Vishay Siliconix documentation for IRF630PBF - Vishay Siliconix.

### Datasheets

 IRF630.pdf
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### Other Related Documents



















 Packaging Information.pdf
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### PCN Design/Specification

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## Customers Also Interested in

### Recommended Products

 <b>IRF630NSTRR</b> Infineon Technologies MOSFET N-CH 200V 9.3A D2PAK	 NO PICTURE <b>IRF630NSTRR MOS</b> IR	 NO PICTURE <b>IRF632C</b> MOSPEC	 <b>IRF630SPBF</b> Vishay Siliconix MOSFET N-CH 200V 9A D2PAK	 NO PICTURE <b>IRF630NPBF-MX</b> IR	 <b>IRF630STRRPBF</b> Vishay Siliconix MOSFET N-CH 200V 9A D2PAK
 <b>IRF630NSPBF</b> International Rectifier HEXFET POWER MOSFET	 <b>IRF630STRR</b> Vishay Siliconix MOSFET N-CH 200V 9A D2PAK	 NO PICTURE <b>IRF630NSTRL</b> IR	 <b>IRF630NSTRLPBF</b> Infineon Technologies MOSFET N-CH 200V 9.3A D2PAK	 <b>IRF630NSTRRPBF</b> Infineon Technologies MOSFET N-CH 200V 9.3A D2PAK	 NO PICTURE <b>IRF630STRPBF</b> IR
 <b>IRF630S</b> Vishay Siliconix MOSFET N-CH 200V 9A D2PAK	 NO PICTURE <b>IRF630S MOS</b> IR	 NO PICTURE <b>IRF630NS/F630NS</b> IR	 NO PICTURE <b>IRF631</b> Harris Corporation N-CHANNEL POWER MOSFET	 <b>IRF630STRL</b> Vishay Siliconix MOSFET N-CH 200V 9A D2PAK	 <b>IRF630NS</b> Infineon Technologies MOSFET N-CH 200V 9.3A 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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