

Image may be representation.  
See specifications for product details.



## IRFP460PBF

Manufacturer Part Number	<b>IRFP460PBF</b>
Manufacturer	<b>Vishay / Siliconix</b>
Allelco Part Number	32D-IRFP460PBF
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 500V 20A TO247-3
Package	TO-247-3
Data sheet	<b>IRFP460.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

IRFP460PBF - Vishay Siliconix. New Original in Stock. Download Linear Technology IRFP460PBF datasheet/specifications on AllelcoElec.com. Request a quote for IRFP460PBF, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

IRFP460PBF Tech Specifications

IRFP460PBF - 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	4200 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	210 nC @ 10 V
Supplier Device Package	TO-247AC	FET Type	N-Channel
Series	-	FET Feature	-
Rds On (Max) @ Id, Vgs	270mOhm @ 12A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	280W (Tc)	Drain to Source Voltage (Vdss)	500 V
Package / Case	TO-247-3	Current - Continuous Drain (Id) @ 25°C	20A (Tc)
Package	Tube	Base Product Number	IRFP460

### Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix IRFP460PBF

Product Attribute				
Part Number	IRFP460PBF	<b>IRFP460APBF</b>	<b>IRFP460</b>	<b>IRFP4668PBF</b>
Manufacturer	Vishay Siliconix	Vishay Siliconix	STMicroelectronics	Infineon Technologies
Series	-	-	PowerMESH™ II	HEXFET®
Drain to Source Voltage (Vdss)	500 V	500 V	500 V	200 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Gate Charge (Qg) (Max) @ Vgs	210 nC @ 10 V	105 nC @ 10 V	128 nC @ 10 V	241 nC @ 10 V
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Base Product Number	IRFP460	IRFP460	IRFP	IRFP4668
Vgs (Max)	±20V	±30V	±30V	±30V
FET Feature	-	-	-	-
Power Dissipation (Max)	280W (Tc)	280W (Tc)	220W (Tc)	520W (Tc)
Package / Case	TO-247-3	TO-247-3	TO-247-3	TO-247-3
Package	Tube	Tube	Tube	Tube
Vgs(th) (Max) @ Id	4V @ 250µA	4V @ 250µA	4V @ 250µA	5V @ 250µA
Rds On (Max) @ Id, Vgs	270mOhm @ 12A, 10V	270mOhm @ 12A, 10V	270mOhm @ 9A, 10V	9.7mOhm @ 81A, 10V
Input Capacitance (Ciss) (Max) @ Vds	4200 pF @ 25 V	3100 pF @ 25 V	2980 pF @ 25 V	10720 pF @ 50 V
Supplier Device Package	TO-247AC	TO-247AC	TO-247-3	TO-247AC
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	150°C (TJ)	-55°C ~ 175°C (TJ)
Current - Continuous Drain (Id) @ 25°C	20A (Tc)	20A (Tc)	18.4A (Tc)	130A (Tc)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel

### IRFP460PBF Datasheet PDF

Download IRFP460PBF pdf datasheets and Vishay Siliconix documentation for IRFP460PBF - Vishay Siliconix.

#### Datasheets

[IRFP460.pdf](#)


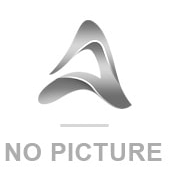









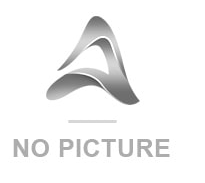


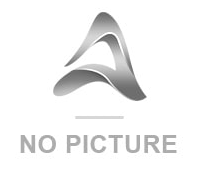



#### PCN Assembly/Origin

[Mosfet Mfg Add 28/Sep/2020.pdf](#)

#### PCN Packaging

## Customers Also Interested in

### Recommended Products

					
<b>IRFP460APBF</b> Vishay Siliconix MOSFET N-CH 500V 20A TO247-3	<b>IRFP460N</b> IR	<b>IRFP460</b> STMicroelectronics MOSFET N-CH 500V 18.4A TO247-3	<b>IRFP4668PBF</b> Infineon Technologies MOSFET N-CH 200V 130A TO247AC	<b>IRFP460Z</b> IR	<b>IRFP460C</b> Fairchild Semiconductor MOSFET N-CH 500V 20A TO3P
					
<b>IRFP460PBF</b> Infineon Technologies MOSFET N-CH 500V 20A TO247AC	<b>IRFP460C</b> onsemi MOSFET N-CH 500V 20A TO3P	<b>IRFP460PBF MOS</b> Electro-Films (EFI) / Vishay	<b>IRFP460A</b> Vishay Siliconix MOSFET N-CH 500V 20A TO247-3	<b>IRFP460LC</b> Vishay Siliconix MOSFET N-CH 500V 20A TO247-3	<b>IRFP4668PBF MOS</b> IR
					
<b>IRFP470</b> IXYS MOSFET N-CH 500V 24A TO247AD	<b>IRFP460</b> Vishay Siliconix MOSFET N-CH 500V 20A TO247-3	<b>IRFP4668</b> IR	<b>IRFP460BPBF</b> Vishay Siliconix MOSFET N-CH 500V 20A TO247AC	<b>IRFP460LCPBF</b> Vishay Siliconix MOSFET N-CH 500V 20A TO247-3	<b>IRFP4710PBF</b> International Rectifier IRFP4710 - 12V-300V N-CHANNEL PO

## 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](#)

### Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong  
Phone: +00852 9146 4856  
Fax: +00852 3010 8510  
Email: info@allelco.com