



Image may be representation.
See specifications for product details.



IRFP7530PBF

Manufacturer Part Number	IRFP7530PBF
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IRFP7530PBF
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 60V 195A TO247
Package	TO-247-3
Data sheet	IRFP7530PBF.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

IRFP7530PBF - Infineon Technologies.New Original in Stock. Download Linear Technology IRFP7530PBF datasheet/specifications on AllelcoElec.com.
Request a quote for IRFP7530PBF, please send us email: info@allelco.com

Specifications

IRFP7530PBF Tech Specifications

IRFP7530PBF - 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	3.7V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	13703 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	411 nC @ 10 V
Supplier Device Package	TO-247	FET Type	N-Channel
Series	HEXFET®, StrongIRFET™	FET Feature	-
Rds On (Max) @ Id, Vgs	2mOhm @ 100A, 10V	Drive Voltage (Max Rds On, Min Rds On)	6V, 10V
Power Dissipation (Max)	341W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	TO-247-3	Current - Continuous Drain (Id) @ 25°C	195A (Tc)
Package	Tube	Base Product Number	IRFP7530

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IRFP7530PBF

Product Attribute				
Part Number	IRFP7530PBF	IRFP7718PBF	IRFP7430PBF	IRFP4868PBF
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
FET Feature	-	-	-	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Supplier Device Package	TO-247	TO-247AC	TO-247AC	TO-247AC
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Series	HEXFET®, StrongIRFET™	HEXFET®, StrongIRFET™	HEXFET®, StrongIRFET™	-
Base Product Number	IRFP7530	IRFP7718	IRFP7430	IRFP4868
Power Dissipation (Max)	341W (Tc)	517W (Tc)	366W (Tc)	517W (Tc)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Vgs(th) (Max) @ Id	3.7V @ 250µA	3.7V @ 250µA	3.9V @ 250µA	5V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	411 nC @ 10 V	830 nC @ 10 V	460 nC @ 10 V	270 nC @ 10 V
Package / Case	TO-247-3	TO-247-3	TO-247-3	TO-247-3
Rds On (Max) @ Id, Vgs	2mOhm @ 100A, 10V	1.8mOhm @ 100A, 10V	1.3mOhm @ 100A, 10V	32mOhm @ 42A, 10V
Vgs (Max)	±20V	±20V	±20V	±20V
Input Capacitance (Ciss) (Max) @ Vds	13703 pF @ 25 V	29550 pF @ 25 V	14240 pF @ 25 V	10774 pF @ 50 V
Current - Continuous Drain (Id) @ 25°C	195A (Tc)	195A (Tc)	195A (Tc)	70A (Tc)
Package	Tube	Tube	Tube	Tube
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Drain to Source Voltage (Vdss)	60 V	75 V	40 V	300 V
Drive Voltage (Max Rds On, Min Rds On)	6V, 10V	6V, 10V	6V, 10V	10V

IRFP7530PBF Datasheet PDF

Download IRFP7530PBF pdf datasheets and Infineon Technologies documentation for IRFP7530PBF - Infineon Technologies.

Other Related Documents

IR Part Numbering System.pdf

PCN Design/Specification

Mult Dev Label Chgs 8/Sep/2021.pdf





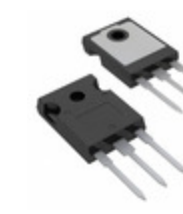




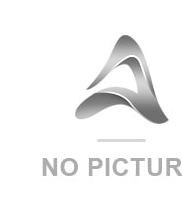
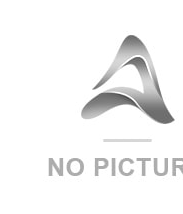


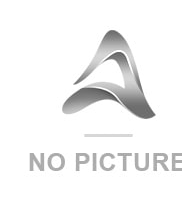
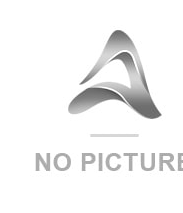


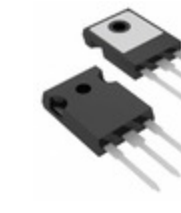
Mult Dev Material Chgs 4/Dec/2020.pdf

PCN Packaging

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

 IRFP7718PBF Infineon Technologies MOSFET N-CH 75V 195A TO247AC	 IRFP7430PBF Infineon Technologies MOSFET N-CH 40V 195A TO247AC	 IRFP4868PBF Infineon Technologies MOSFET N-CH 300V 70A TO247AC	 IRFP4768PBF Infineon Technologies MOSFET N-CH 250V 93A TO247AC	 IRFP9140N Infineon Technologies MOSFET P-CH 100V 23A TO247AC	 IRFP7530NPBF Cypress Semiconductor (Infineon Technologies)
 IRFP9140NPBF Infineon Technologies MOSFET P-CH 100V 23A TO247AC	 IRFP7537NPBF Cypress Semiconductor (Infineon Technologies)	 IRFP9140 Vishay Siliconix MOSFET P-CH 100V 21A TO247-3	 IRFP90N20D IR	 IRFP7430 IR	 IRFP4710PBF International Rectifier IRFP4710 - 12V-300V N-CHANNEL PO
 IRFP90N20DPBF Infineon Technologies MOSFET N-CH 200V 94A TO247AC	 IRFP4768 IR	 IRFP4868 IR	 IRFP7537PBF Infineon Technologies MOSFET N-CH 60V 172A TO247	 IRFP50N50N Electro-Films (EFI) / Vishay	 IRFP9140PBF Vishay Siliconix MOSFET P-CH 100V 21A TO247-3

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
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Contact us if you have any questions.

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Certifications & Memberships



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