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See specifications for product details.



IRFP17N50LPBF

Manufacturer Part Number	IRFP17N50LPBF
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-IRFP17N50LPBF
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 500V 16A TO247-3
Package	TO-247-3
Data sheet	IRFP17N50LPBF.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

IRFP17N50LPBF - Vishay Siliconix. New Original in Stock. Download Linear Technology IRFP17N50LPBF datasheet/specifications on AllelcoElec.com.
Request a quote for IRFP17N50LPBF, please send us email: info@allelco.com

Specifications

IRFP17N50LPBF Tech Specifications

IRFP17N50LPBF - 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	5V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	2760 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	130 nC @ 10 V
Supplier Device Package	TO-247AC	FET Type	N-Channel
Series	-	FET Feature	-
Rds On (Max) @ Id, Vgs	320mOhm @ 9.9A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	220W (Tc)	Drain to Source Voltage (Vdss)	500 V
Package / Case	TO-247-3	Current - Continuous Drain (Id) @ 25°C	16A (Tc)
Package	Tube	Base Product Number	IRFP17

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix IRFP17N50LPBF

Product Attribute				
Part Number	IRFP17N50LPBF	IRFP150N	IRFP23N50L	IRFP22N50A
Manufacturer	Vishay Siliconix	Infineon Technologies	Vishay Siliconix	Vishay Siliconix
Drain to Source Voltage (Vdss)	500 V	100 V	500 V	500 V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Input Capacitance (Ciss) (Max) @ Vds	2760 pF @ 25 V	1900 pF @ 25 V	3600 pF @ 25 V	3450 pF @ 25 V
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Series	-	HEXFET®	-	-
Package	Tube	Bag	Tube	Tube
Package / Case	TO-247-3	TO-247-3	TO-247-3	TO-247-3
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Gate Charge (Qg) (Max) @ Vgs	130 nC @ 10 V	110 nC @ 10 V	150 nC @ 10 V	120 nC @ 10 V
Rds On (Max) @ Id, Vgs	320mOhm @ 9.9A, 10V	36mOhm @ 23A, 10V	235mOhm @ 14A, 10V	230mOhm @ 13A, 10V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
FET Feature	-	-	-	-
Base Product Number	IRFP17	-	IRFP23	IRFP22
Current - Continuous Drain (Id) @ 25°C	16A (Tc)	42A (Tc)	23A (Tc)	22A (Tc)
Supplier Device Package	TO-247AC	TO-247AC	TO-247AC	TO-247AC
Vgs (Max)	±30V	±20V	±30V	±30V
Power Dissipation (Max)	220W (Tc)	160W (Tc)	370W (Tc)	277W (Tc)
Vgs(th) (Max) @ Id	5V @ 250µA	4V @ 250µA	5V @ 250µA	4V @ 250µA

IRFP17N50LPBF Datasheet PDF

Download IRFP17N50LPBF pdf datasheets and Vishay Siliconix documentation for IRFP17N50LPBF - Vishay Siliconix.

PCN Assembly/Origin












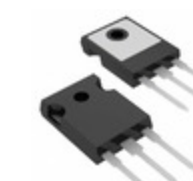

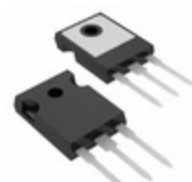



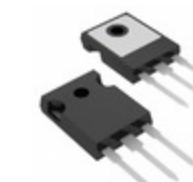
Mosfet Mfg Add 28/Sep/2020.pdf

PCN Packaging

Packing Tube Design 19/Sep/2019.pdf

Customers Also Interested in

Recommended Products

					
IRFP17N50LPBF MOS Electro-Films (EFI) / Vishay	IRFP15N60L IR	IRFP150N Infineon Technologies MOSFET N-CH 100V 42A TO247AC	IRFP23N50L Vishay Siliconix MOSFET N-CH 500V 23A TO247-3	IRFP22N50A Vishay Siliconix MOSFET N-CH 500V 22A TO247-3	IRFP150V IR
					
IRFP150NPBF Infineon Technologies MOSFET N-CH 100V 42A TO247AC	IRFP21N60L Vishay Siliconix MOSFET N-CH 600V 21A TO247-3	IRFP22N60KPBF Vishay Siliconix MOSFET N-CH 600V 22A TO247-3	IRFP22N50APBF Vishay Siliconix MOSFET N-CH 500V 22A TO247-3	IRFP21N60LPBF Vishay Siliconix MOSFET N-CH 600V 21A TO247-3	IRFP15N60LPBF Vishay Siliconix MOSFET N-CH 600V 15A TO247-3
					
IRFP150N MOS IR	IRFP150PBF Vishay Siliconix MOSFET N-CH 100V 41A TO247-3	IRFP150MPBF Infineon Technologies MOSFET N-CH 100V 42A TO247AC	IRFP150P221PBF Cypress Semiconductor (Infineon Technologies)	IRFP22N60K Vishay Siliconix MOSFET N-CH 600V 22A TO247-3	IRFP17N50L Vishay Siliconix MOSFET N-CH 500V 16A 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.



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-  Efficient Supply Management
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-  Fast Sourcing & Delivery

Contact us if you have any questions.

-  Phone
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