



## IRFU430APBF

Manufacturer Part Number	<b>IRFU430APBF</b>
Manufacturer	<b>Vishay / Siliconix</b>
Allelco Part Number	32D-IRFU430APBF
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 500V 5A TO251AA
Package	TO-251-3 Short Leads, IPak, TO-251AA
Data sheet	<b><a href="#">IRFR,IRFU,SiHFR,SiHFU_430A.pdf</a></b>
RoHs Status	ROHS3 Compliant



**Get a Quote**

IRFU430APBF - Vishay Siliconix. New Original in Stock. Download Linear Technology IRFU430APBF datasheet/specifications on AllelcoElec.com.

Request a quote for IRFU430APBF, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

IRFU430APBF Tech Specifications

IRFU430APBF - 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	4.5V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	490 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	24 nC @ 10 V
Supplier Device Package	TO-251AA	FET Type	N-Channel
Series	-	FET Feature	-
Rds On (Max) @ Id, Vgs	1.70hm @ 3A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	110W (Tc)	Drain to Source Voltage (Vdss)	500 V
Package / Case	TO-251-3 Short Leads, IPak, TO-251AA	Current - Continuous Drain (Id) @ 25°C	5A (Tc)
Package	Tube	Base Product Number	IRFU430

### Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix IRFU430APBF

Product Attribute				
Part Number	IRFU430APBF	IRFU5410	IRFU420PBF	IRFU5305PBF
Manufacturer	Vishay Siliconix	Infineon Technologies	Vishay Siliconix	Infineon Technologies
Package	Tube	Tube	Tube	Tube
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Vgs(th) (Max) @ Id	4.5V @ 250µA	4V @ 250µA	4V @ 250µA	4V @ 250µA
Supplier Device Package	TO-251AA	IPAK (TO-251AA)	TO-251AA	IPAK (TO-251AA)
Drain to Source Voltage (Vdss)	500 V	100 V	500 V	55 V
Base Product Number	IRFU430	-	IRFU420	IRFU5305
Input Capacitance (Ciss) (Max) @ Vds	490 pF @ 25 V	760 pF @ 25 V	360 pF @ 25 V	1200 pF @ 25 V
Vgs (Max)	±30V	±20V	±20V	±20V
Package / Case	TO-251-3 Short Leads, IPak, TO-251AA	TO-251-3 Short Leads, IPak, TO-251AA	TO-251-3 Short Leads, IPak, TO-251AA	TO-251-3 Short Leads, IPak, TO-251AA
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)
Series	-	HEXFET®	-	HEXFET®
FET Feature	-	-	-	-
Power Dissipation (Max)	110W (Tc)	66W (Tc)	2.5W (Ta), 42W (Tc)	110W (Tc)
Gate Charge (Qg) (Max) @ Vgs	24 nC @ 10 V	58 nC @ 10 V	19 nC @ 10 V	63 nC @ 10 V
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Current - Continuous Drain (Id) @ 25°C	5A (Tc)	13A (Tc)	2.4A (Tc)	31A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Rds On (Max) @ Id, Vgs	1.70hm @ 3A, 10V	205mOhm @ 7.8A, 10V	30hm @ 1.4A, 10V	65mOhm @ 16A, 10V
FET Type	N-Channel	P-Channel	N-Channel	P-Channel

### IRFU430APBF Datasheet PDF

Download IRFU430APBF pdf datasheets and Vishay Siliconix documentation for IRFU430APBF - Vishay Siliconix.

#### Datasheets



















IRFR,IRFU,SiHFR,SiHFU\_430A.pdf

#### PCN Assembly/Origin

IRFU/SIH 21/Oct/2016.pdf

## Customers Also Interested in

### Recommended Products

 <b>IRFU420B MOS</b> Fairchild (onsemi)	 NO PICTURE <b>IRFU4510</b> IR	 <b>IRFU5410</b> Infineon Technologies MOSFET P-CH 100V 13A IPAK	 <b>IRFU430A</b> Electro-Films (EFI) / Vishay	 <b>IRFU420PBF</b> Vishay Siliconix MOSFET N-CH 500V 2.4A TO251AA	 <b>IRFU5305PBF</b> Infineon Technologies MOSFET P-CH 55V 31A IPAK
 NO PICTURE <b>IRFU4292PBF</b> IR	 NO PICTURE <b>IRFU430A MOS</b> IR	 NO PICTURE <b>IRFU5305PBF MOS</b> IR	 <b>IRFU430B</b> Fairchild (onsemi)	 <b>IRFU420APBF</b> Vishay Siliconix MOSFET N-CH 500V 3.3A TO251AA	 NO PICTURE <b>IRFU420PBF MOS</b> IR
 NO PICTURE <b>IRFU420B</b> FCS	 <b>IRFU5410PBF</b> Infineon Technologies MOSFET P-CH 100V 13A IPAK	 <b>IRFU5305</b> Infineon Technologies MOSFET P-CH 55V 31A IPAK	 <b>IRFU5505</b> Infineon Technologies MOSFET P-CH 55V 18A IPAK	 <b>IRFU4615PBF</b> Infineon Technologies MOSFET N-CH 150V 33A IPAK	 NO PICTURE <b>IRFU420A</b> 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.

-  Phone  
+00852 9146 4856
-  Email  
info@allelco.com

### Certifications & Memberships



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