



# IRFU13N20DPBF

Manufacturer Part Number	<b>IRFU13N20DPBF</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-IRFU13N20DPBF
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 200V 13A IPAK
Package	TO-251-3 Short Leads, IPak, TO-251AA
Data sheet	IRFU13N20DPBF.pdf
RoHS Status	<b>ROHS3 Compliant</b>



**Get a Quote**

IRFU13N20DPBF - Infineon Technologies. New Original in Stock. Download Linear Technology IRFU13N20DPBF datasheet/specifications on AllelcoElec.com.  
Request a quote for IRFU13N20DPBF, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

IRFU13N20DPBF Tech Specifications

IRFU13N20DPBF - 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	5.5V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	830 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	38 nC @ 10 V
Supplier Device Package	IPAK (TO-251AA)	FET Type	N-Channel
Series	HEXFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	235mOhm @ 8A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	110W (Tc)	Drain to Source Voltage (Vdss)	200 V
Package / Case	TO-251-3 Short Leads, IPak, TO-251AA	Current - Continuous Drain (Id) @ 25°C	13A (Tc)
Package	Tube		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IRFU13N20DPBF

Product Attribute	NO PICTURE			
Part Number	IRFU13N20DPBF	IRFU120ATU	IRFU15N20DPBF	IRFU1N60A
Manufacturer	Infineon Technologies	Fairchild Semiconductor	Infineon Technologies	Vishay Siliconix
Input Capacitance (Ciss) (Max) @ Vds	830 pF @ 25 V	480 pF @ 25 V	910 pF @ 25 V	229 pF @ 25 V
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)
Supplier Device Package	IPAK (TO-251AA)	I-PAK	IPAK (TO-251AA)	TO-251AA
Package	Tube	Tube	Tube	Tube
Current - Continuous Drain (Id) @ 25°C	13A (Tc)	8.4A (Tc)	17A (Tc)	1.4A (Tc)
FET Feature	-	-	-	-
Gate Charge (Qg) (Max) @ Vgs	38 nC @ 10 V	22 nC @ 10 V	41 nC @ 10 V	14 nC @ 10 V
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
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Vgs (Max)	±30V	-	±30V	±30V
Vgs(th) (Max) @ Id	5.5V @ 250µA	4V @ 250µA	5.5V @ 250µA	4V @ 250µA
Series	HEXFET®	-	HEXFET®	-
Power Dissipation (Max)	110W (Tc)	2.5W (Ta), 32W (Tc)	110W (Tc)	36W (Tc)
Drain to Source Voltage (Vdss)	200 V	100 V	200 V	600 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Rds On (Max) @ Id, Vgs	235mOhm @ 8A, 10V	200mOhm @ 4.2A, 10V	165mOhm @ 10A, 10V	70hm @ 840mA, 10V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)

## IRFU13N20DPBF Datasheet PDF

Download IRFU13N20DPBF pdf datasheets and Infineon Technologies documentation for IRFU13N20DPBF - Infineon Technologies.

### Other Related Documents

IR Part Numbering System.pdf

### PCN Packaging

Mult Device Standard Label Chg 29/Sep/2017.pdf

Tube Pkg MOQ Standardization 28/Jul/2017.pdf

### PCN Obsolescence/ EOL

Mult Dev EOL 9/Apr/2020.pdf

## PCN Design/Specification



Mult Dev Label Chgs Aug/2020.pdf



Leadframe Retraction 03/Jun/2015.pdf

## PCN Assembly/Origin



IPak Product Assembly Site Add 19/Apr/2016.pdf

## Customers Also Interested in

### Recommended Products

<b>IRFU120ATU</b> Fairchild Semiconductor MOSFET N-CH 100V 8.4A IPAK	<b>IRFU18N15DPBF</b> VISEMI	<b>IRFU15N20D</b> IR	<b>IRFU15N20DPBF</b> Infineon Technologies MOSFET N-CH 200V 17A IPAK	<b>IRFU1N60A</b> Vishay Siliconix MOSFET N-CH 600V 1.4A TO251AA	<b>IRFU18N15D</b> Infineon Technologies MOSFET N-CH 150V 18A IPAK
<b>IRFU12N25DPBF</b> Infineon Technologies MOSFET N-CH 250V 14A IPAK	<b>IRFU120ZPBF</b> Infineon Technologies MOSFET N-CH 100V 8.7A IPAK	<b>IRFU1N60A MOS</b> Electro-Films (EFI) / Vishay	<b>IRFU120ATU MOS</b> Fairchild (onsemi)	<b>IRFU13N15DPBF</b> IR	<b>IRFU120NPBF</b> Infineon Technologies MOSFET N-CH 100V 9.4A IPAK
<b>IRFU210</b> Vishay Siliconix MOSFET N-CH 200V 2.6A TO251AA	<b>IRFU120N</b> IR	<b>IRFU1N60APBF</b> Vishay Siliconix MOSFET N-CH 600V 1.4A TO251AA	<b>IRFU120ATU</b> onsemi MOSFET N-CH 100V 8.4A IPAK	<b>IRFU1N60APBF MOS</b> Electro-Films (EFI) / Vishay	<b>IRFU120PBF</b> Vishay Siliconix MOSFET N-CH 100V 7.7A TO251AA

## 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

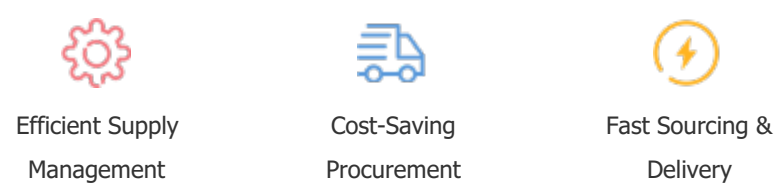
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### Payment Support

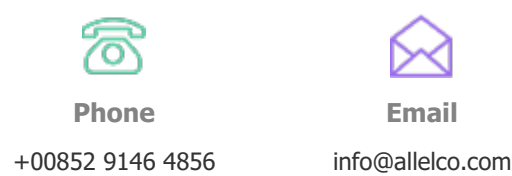
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,  
PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



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